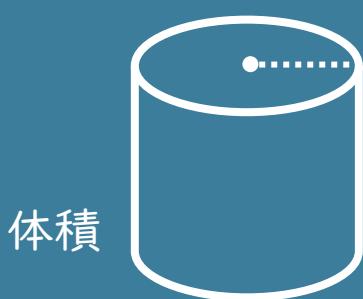
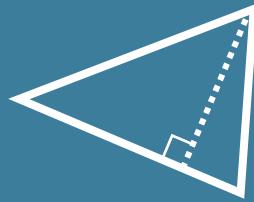


教材おきば のドリル



体積



面積

free
¥ 0

期間限定

中学生に
なる前に

平面・立体

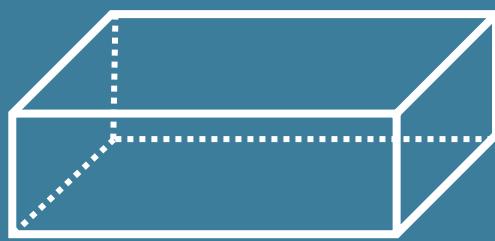


小学校算数で習う図形問題の復習用ドリル

kyozai-okiba.com



角度



作図

かき写し・線対称・点対称 などの問題も



目次

第 1 章 図形の特徴についての問題(角や辺など)

1	つみきを数える
2	円と長方形
3	平行・垂直な直線を選ぶ
4	三角形の角の大きさ
5	四角形の角の大きさ
6	三角定規を組み合わせてできる角度
7	台形と平行四辺形を選ぶ
8	平行四辺形とひし形の角の大きさと辺の長さ
9	立方体の展開図と向かいの面
10	正多角形の角の大きさ
11	円周
12	円周から直径を求める
13	合同な三角形 対応する辺・角・頂点
14	アルファベットと線対称・点対称
15	いろいろな図形と線対称・点対称
16	角柱の辺や頂点・面の数
17	角柱や円柱の展開図を見て
18	拡大図 対応する辺の長さ
19	縮図 対応する辺の長さ

第 2 章 作図の問題

20	点つなぎ
21	三角形をかく 方がんを使って
22	四角形をかく 方がんを使って
23	三角形や四角形を直線で切り分けて
24	三角定規で平行な直線をひく
25	三角定規で垂直な直線をひく
26	平行四辺形の作図 方がんを使って

27	直方体や立方体の見取図をかく
28	見取図を見ながら展開図をかく
29	線対称な図形をかく
30	点対称な図形をかく
31	角柱や円柱の見取図をかく
32	拡大図をかく
33	縮図をかく

第 3 章 面積や体積の問題

34	長方形や正方形の面積 九九の範囲で
35	長方形や正方形の面積
36	長方形や正方形を組み合わせた図形の面積
37	三角形の面積
38	平行四辺形の面積
39	台形の面積
40	ひし形の面積
41	円の面積
42	円を使った図形の面積
43	直方体や立方体の体積
44	直方体や立方体を組み合わせた図形の体積
45	角柱や円柱の体積

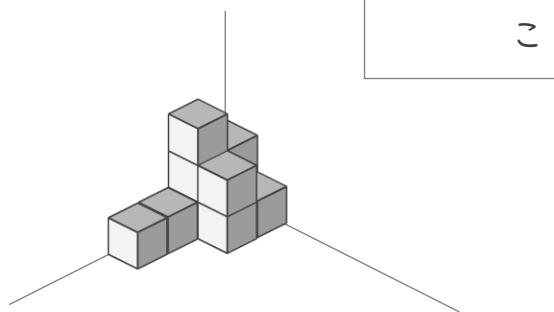


苦手な問題を見つけたら kyozai-okiba.com でも復習！



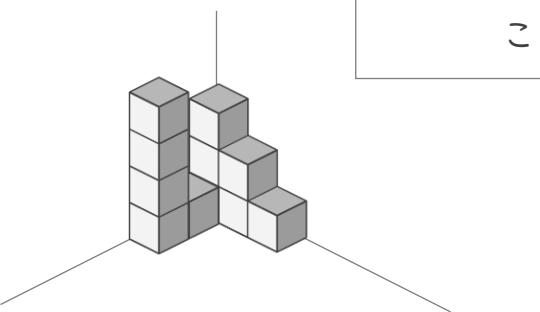
■ つみきの数を数えましょう。

①



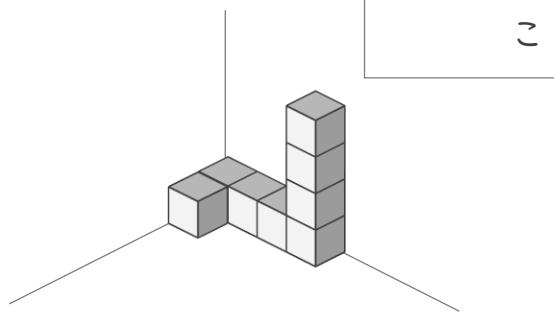
こ

⑤



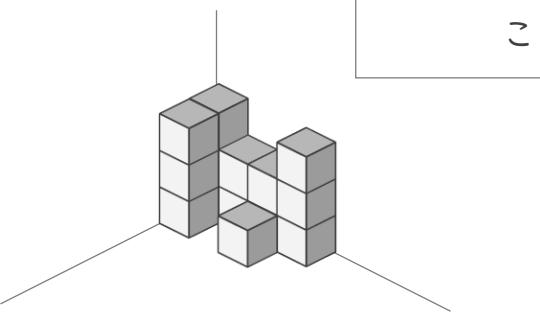
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②



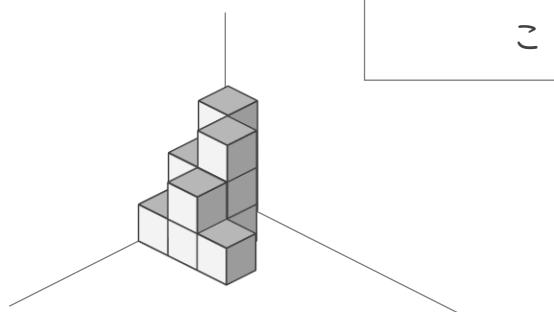
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⑥



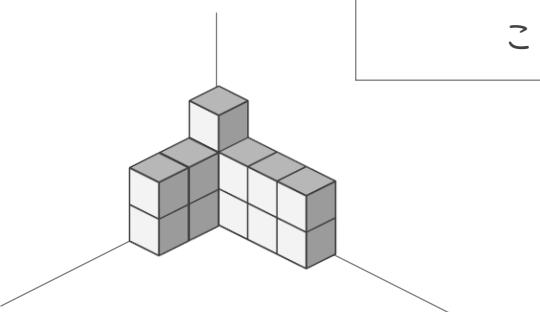
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③



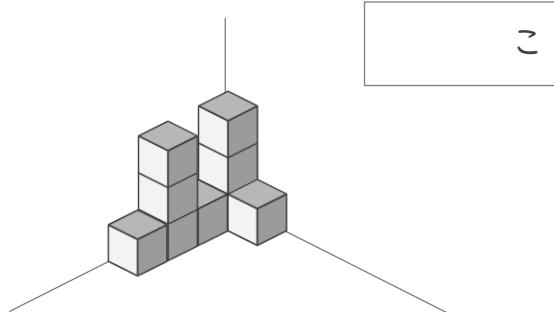
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⑦



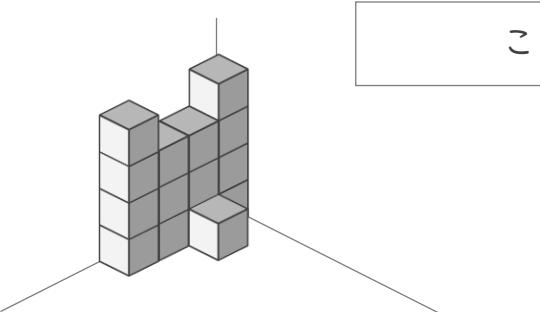
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④



こ

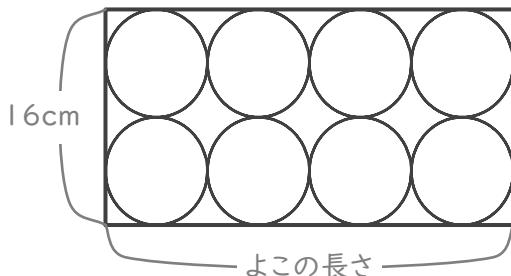
⑧



こ



■ 下の図のように、長方形の中に8つの円がぴったり入っています。



① 円の直径は何cmですか。

cm

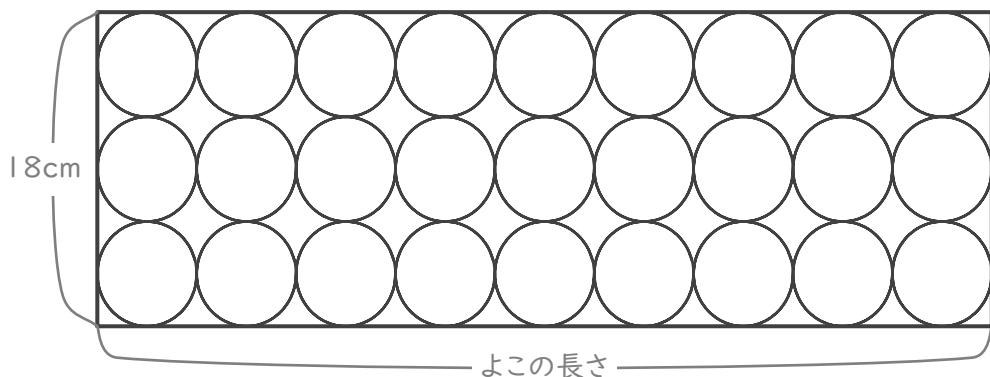
② 円の半径は何cmですか。

cm

③ 長方形のよこの長さは何cmですか。

cm

■ 下の図のように、長方形の中に27この円がぴったり入っています。



④ 円の直径は何cmですか。

cm

⑤ 円の半径は何cmですか。

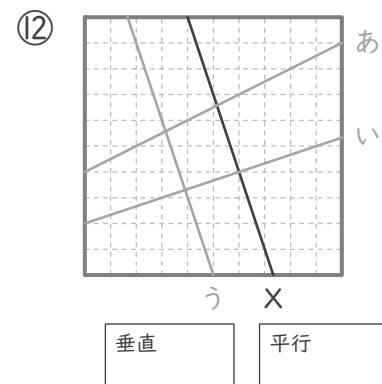
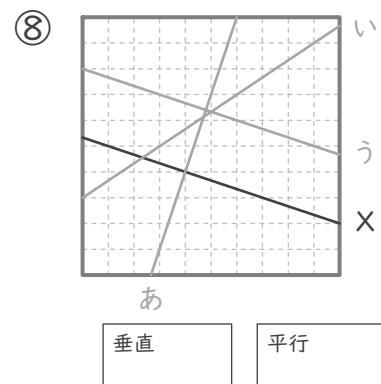
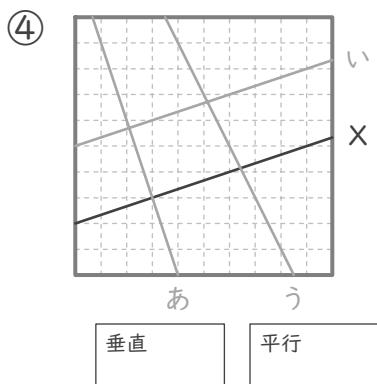
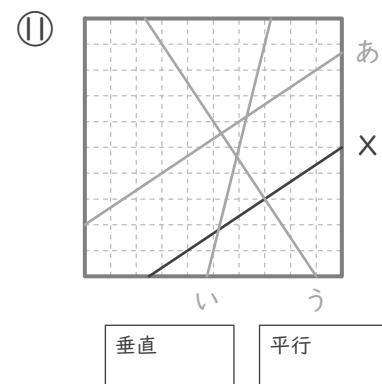
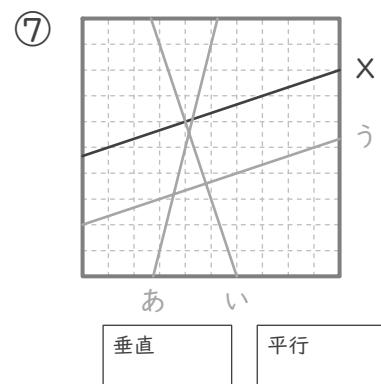
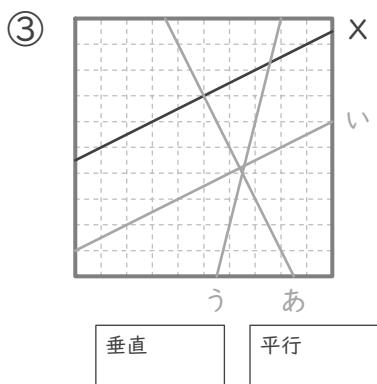
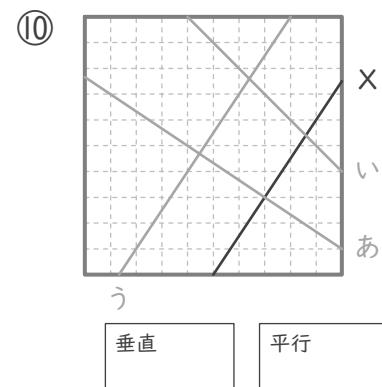
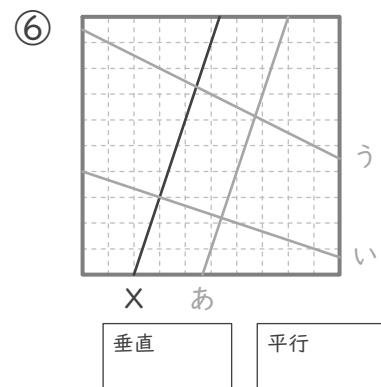
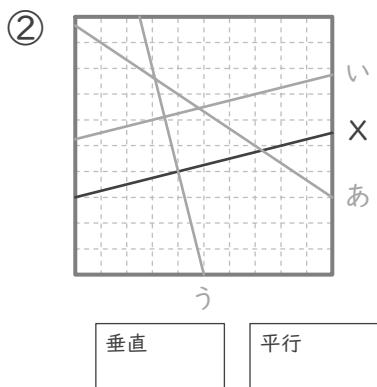
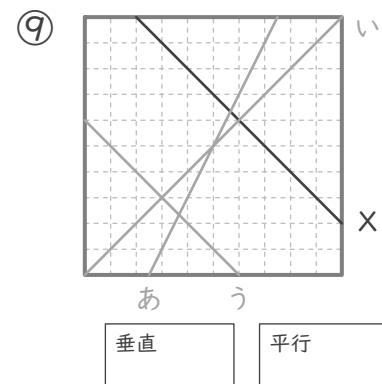
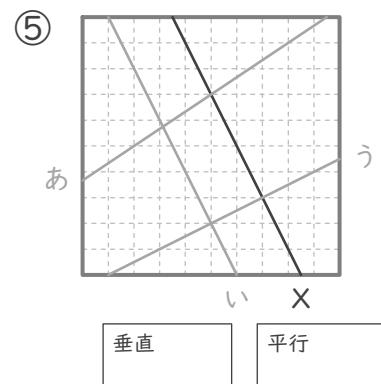
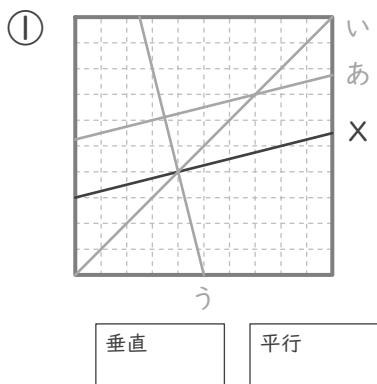
cm

⑥ 長方形のよこの長さは何cmですか。

cm



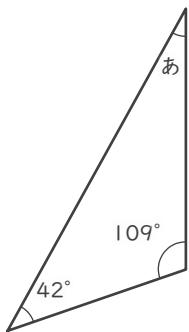
■ 直線Xと垂直な直線、平行な直線をそれぞれ選び、記号で答えましょう。





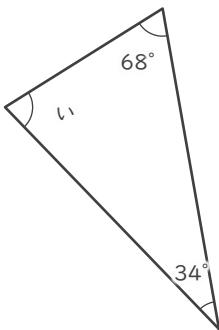
■ つぎの三角形の あ～け の角の大きさを答えましょう。

①



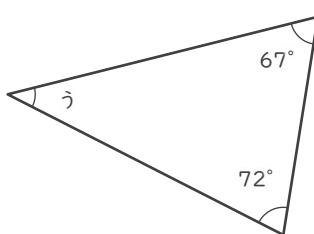
あ

②



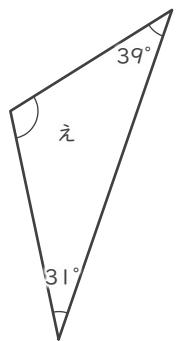
い

③



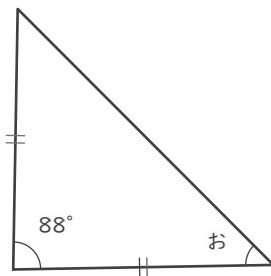
う

④



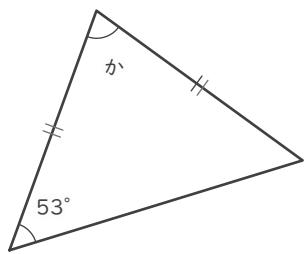
え

⑤



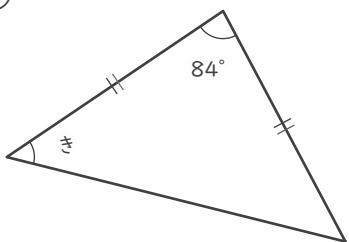
お

⑥



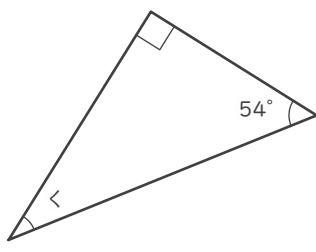
か

⑦



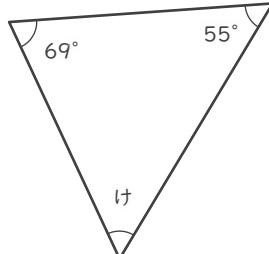
き

⑧



く

⑨

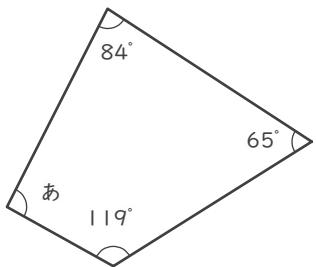


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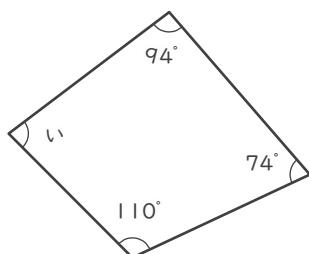


■ つぎの四角形の あ～か の角の大きさを答えましょう。

①



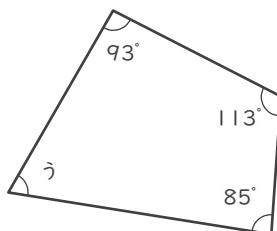
②



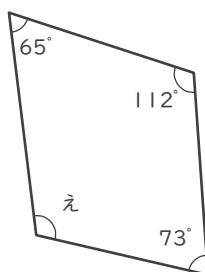
あ

い

③



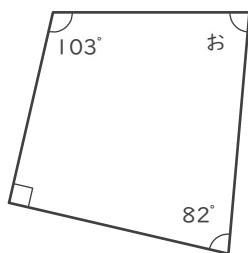
④



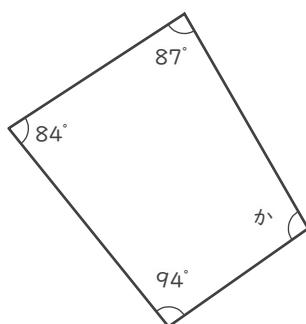
う

え

⑤



⑥



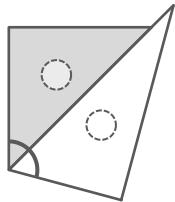
お

か

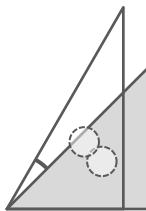


■ 2つの三角定規を組み合わせてできる角の大きさを答えましょう。

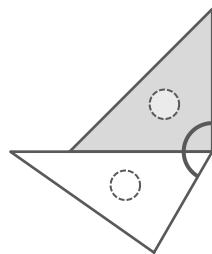
①



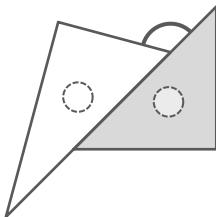
⑤



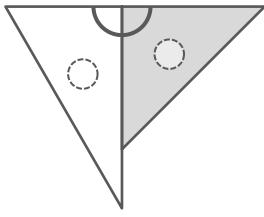
⑨



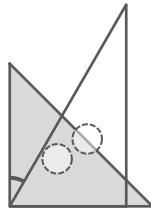
②



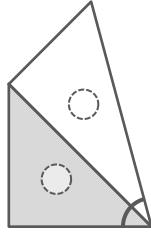
⑥



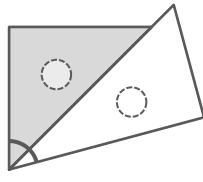
⑩



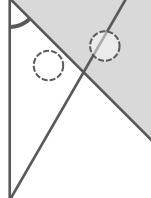
③



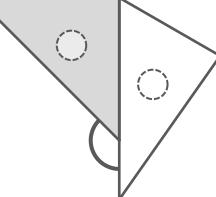
⑦



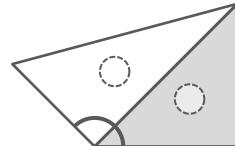
⑪



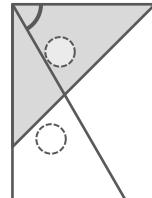
④



⑧



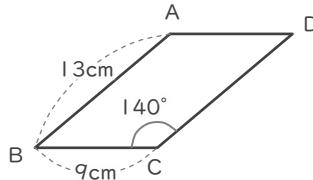
⑫





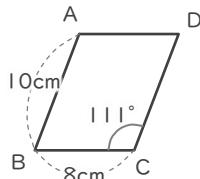
■ 平行四辺形やひし形を見て、辺の長さや角の大きさを答えましょう。

① 平行四辺形



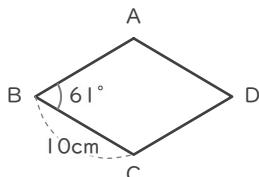
辺CDの長さ

② 平行四辺形



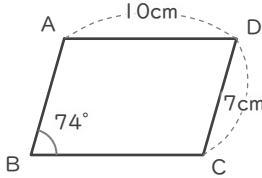
角Bの大きさ

③ ひし形



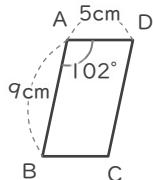
角Dの大きさ

④ 平行四辺形



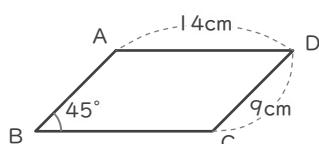
角Dの大きさ

⑤ 平行四辺形



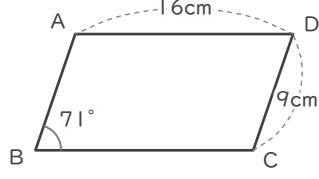
辺BCの長さ

⑥ 平行四辺形



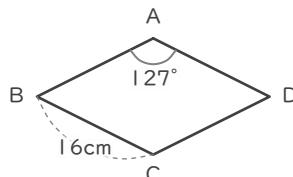
角Aの大きさ

⑦ 平行四辺形



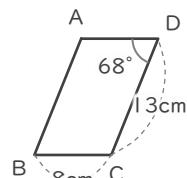
辺ABの長さ

⑧ ひし形



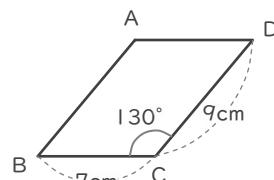
辺DAの長さ

⑨ 平行四辺形



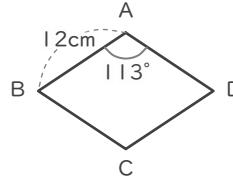
辺DAの長さ

⑩ 平行四辺形



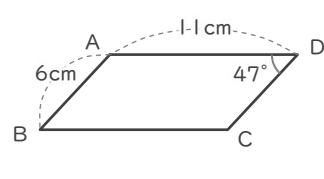
角Aの大きさ

⑪ ひし形



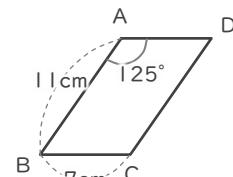
角Dの大きさ

⑫ 平行四辺形



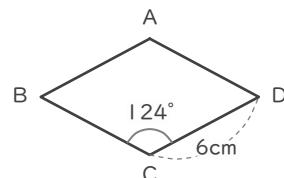
角Cの大きさ

⑬ 平行四辺形



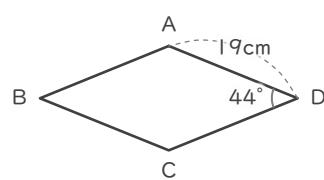
角Bの大きさ

⑭ ひし形



角Dの大きさ

⑮ ひし形

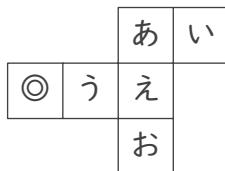


角Bの大きさ



■ 次の立方体の展開図を組み立てたときに、◎のむかい(反対側)になる面を答えましょう。

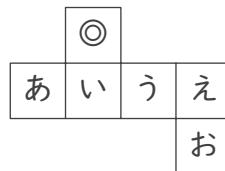
①



むかいの面



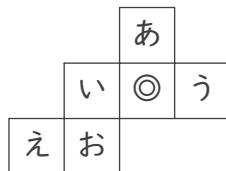
⑥



むかいの面



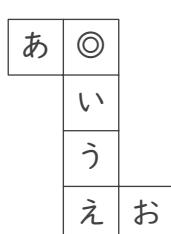
⑪



むかいの面



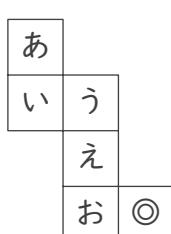
②



むかいの面



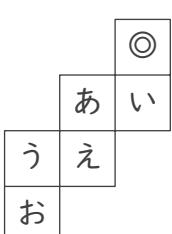
⑦



むかいの面



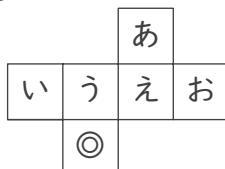
⑫



むかいの面



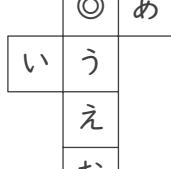
③



むかいの面



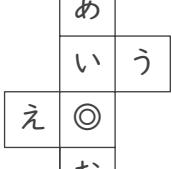
⑧



むかいの面



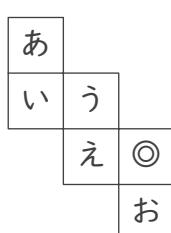
⑬



むかいの面



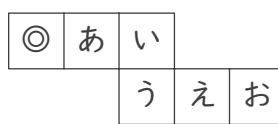
④



むかいの面



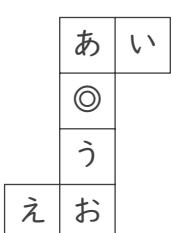
⑨



むかいの面



⑭



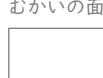
むかいの面



⑤



むかいの面



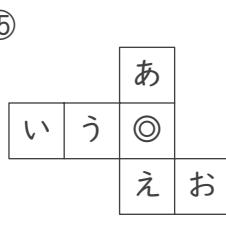
⑩



むかいの面



⑮



むかいの面

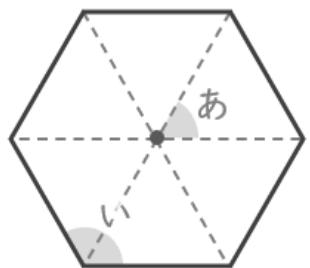




■ 次の正多角形についての問題に答えましょう。

(1) 正六角形

① あで示された角度を答えましょう。

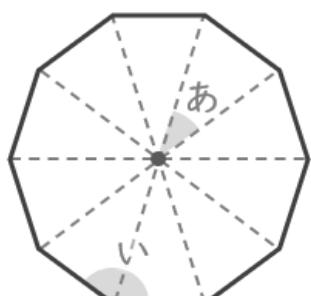


② 6この角の大きさの和を答えましょう。

③ 1この角(いの部分)の大きさを答えましょう。

(2) 正十角形

④ あで示された角度を答えましょう。



⑤ 10この角の大きさの和を答えましょう。

⑥ 1この角(いの部分)の大きさを答えましょう。



■ 次のような円の円周を求めましょう。

① 直径 4cm の円

(式)

② 直径 5m の円

(式)

③ 直径 7cm の円

(式)

④ 半径 4.5cm の円

(式)

⑤ 半径 5.5m の円

(式)

⑥ 半径 6m の円

(式)



■ 次の各問いに答えましょう。

① 円周が 41cm の円の直径は約何cmですか。

四捨五入をして十分の一の位までのがい数で答えましょう。

② 円周が 30m の円の直径は約何mですか。

四捨五入をして十分の一の位までのがい数で答えましょう。

③ 円周が 12m の円の直径は約何mですか。

四捨五入をして十分の一の位までのがい数で答えましょう。

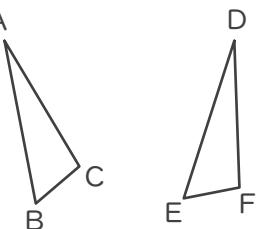
④ 円周が 67cm の円の直径は約何cmですか。

四捨五入をして十分の一の位までのがい数で答えましょう。



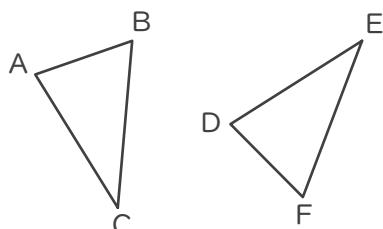
■ 合同な2つの三角形の対応する辺,角,頂点を答えましょう。

①



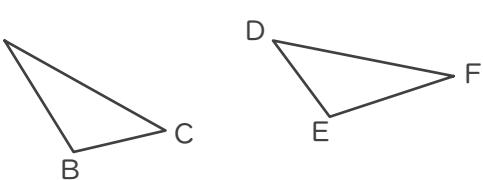
角Aに対応する角は 角

⑤



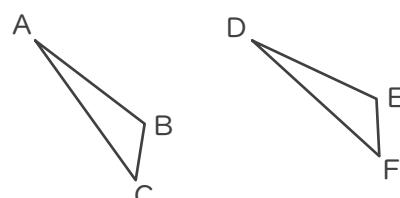
辺ACに対応する辺は 辺

②



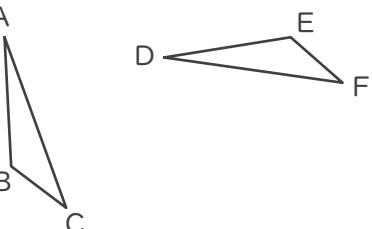
辺ABに対応する辺は 辺

⑥



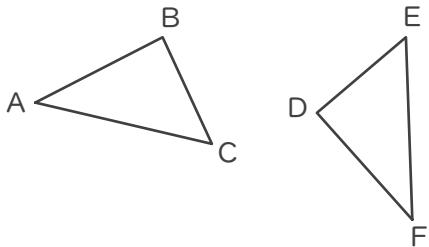
角Bに対応する角は 角

③



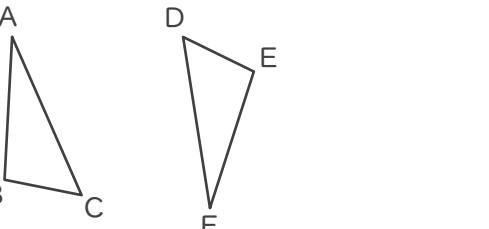
頂点Cに対応する頂点は 頂点

⑦



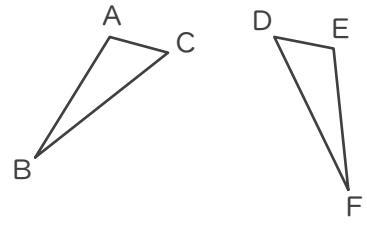
頂点Bに対応する頂点は 頂点

④



辺BCに対応する辺は 辺

⑧



辺ACに対応する辺は 辺



■ 次のアルファベットが線対称、点対称な図形であるかをそれぞれ考え、そうであれば「○」、違っていれば「×」を書きこみましょう。

アルファベット	F	U	I	K
線対称				
点対称				

アルファベット	D	E	S	G
線対称				
点対称				

アルファベット	W	N	Y	H
線対称				
点対称				



■ 次の図形が線対称、点対称な図形であるかをそれぞれ考え、そうであれば「○」、違っていれば「×」を書きこみましょう。

図形				
長方形				ひし形
線対称				
点対称				

図形				
正八角形		円	正七角形	
線対称				
点対称				

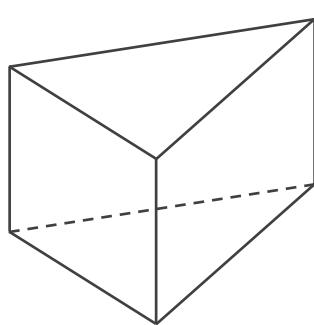
図形				
正十角形			正三角形	平行四辺形
線対称				
点対称				



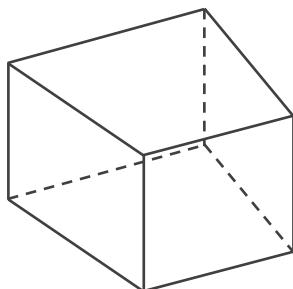
■ いろいろな角柱の底面の数、側面の数、頂点の数、辺の数を答えて表を完成させましょう。

	辺の数	頂点の数	側面の数	底面の数
三角柱				
四角柱				
五角柱				
六角柱				
八角柱				

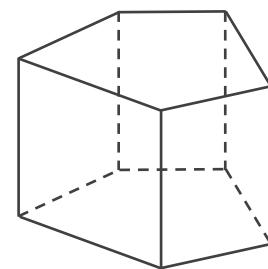
----- 折りまげてかくす -----



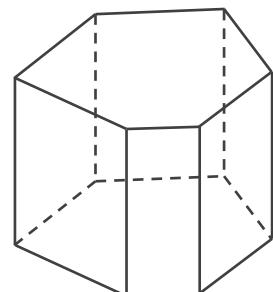
三角柱



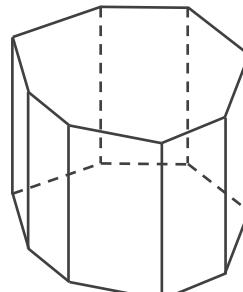
四角柱



五角柱



六角柱

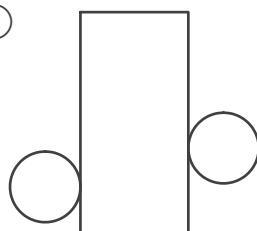


八角柱

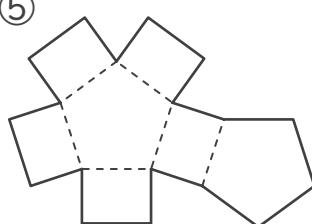


■ 次の展開図を組み立ててできる立体の名前を答えましょう。

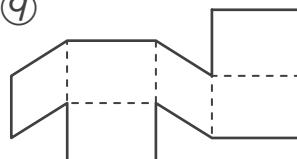
①



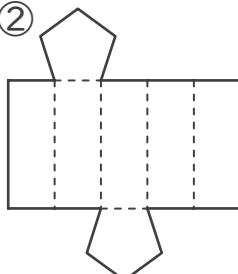
⑤



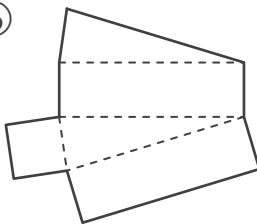
⑨



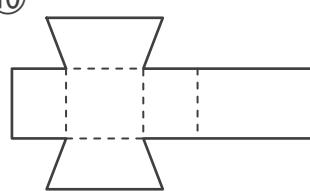
②



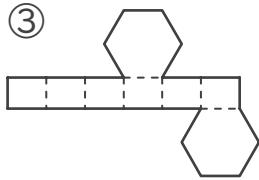
⑥



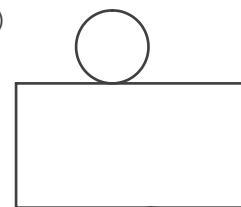
⑩



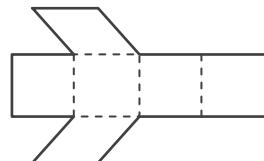
③



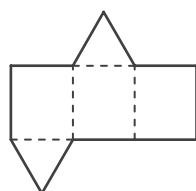
⑦



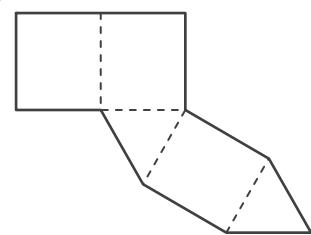
⑪



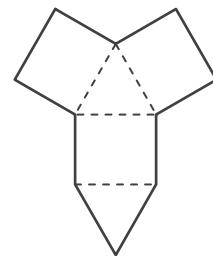
④



⑧



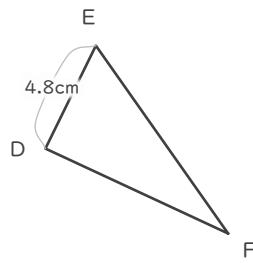
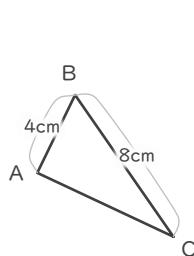
⑫





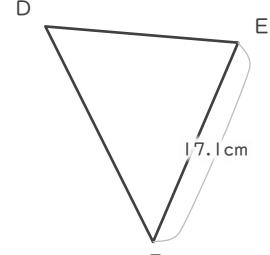
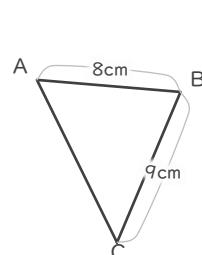
■ 三角形DEFが三角形ABCの拡大図であるとき、指定された辺の長さを答えましょう。

① 辺EFの長さ



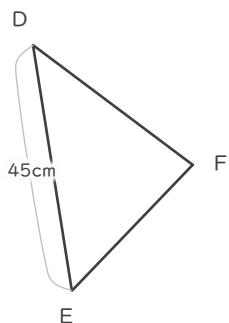
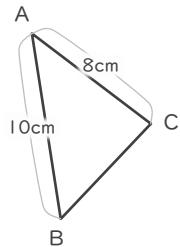
cm

④ 辺DEの長さ



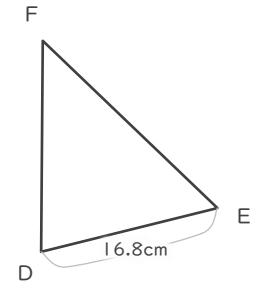
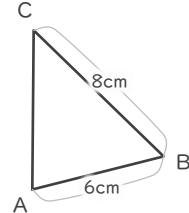
cm

② 辺DFの長さ



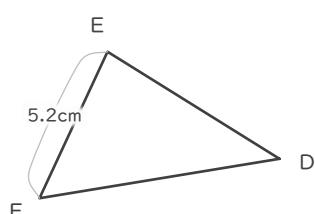
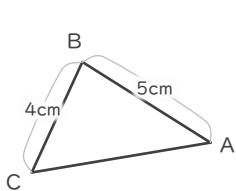
cm

⑤ 辺EFの長さ



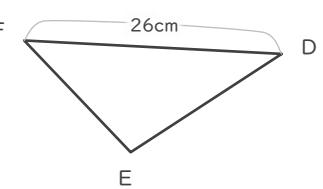
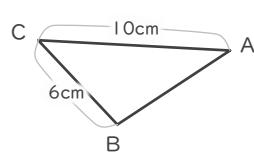
cm

③ 辺DEの長さ



cm

⑥ 辺EFの長さ

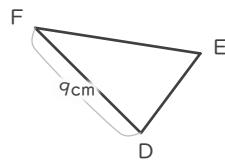
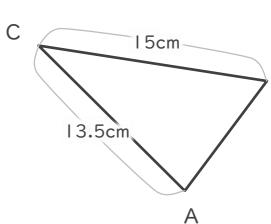


cm



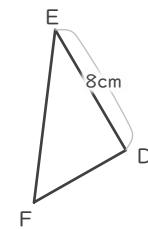
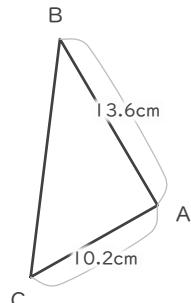
■ 三角形DEFが三角形ABCの縮図であるとき、指定された辺の長さを答えましょう。

① 辺EFの長さ



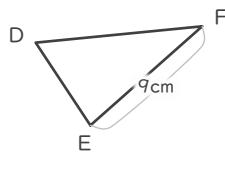
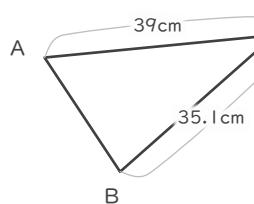
cm

④ 辺DFの長さ



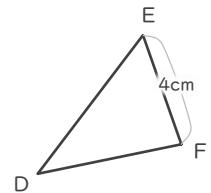
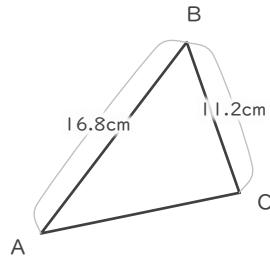
cm

② 辺DFの長さ



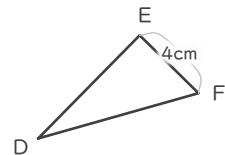
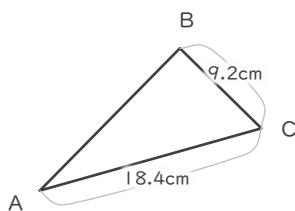
cm

⑤ 辺DEの長さ



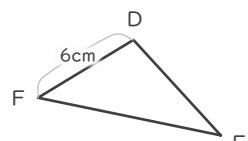
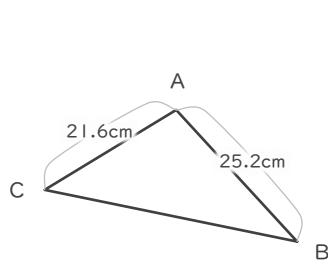
cm

③ 辺DFの長さ



cm

⑥ 辺DEの長さ



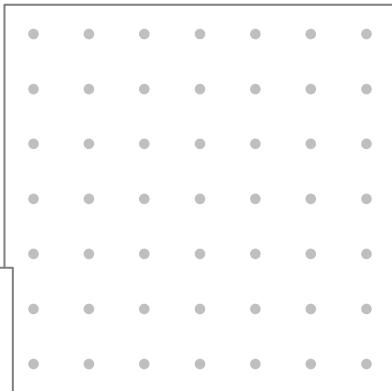
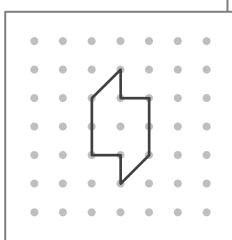
cm



■ お手本をまねして点をつなぎましょう。

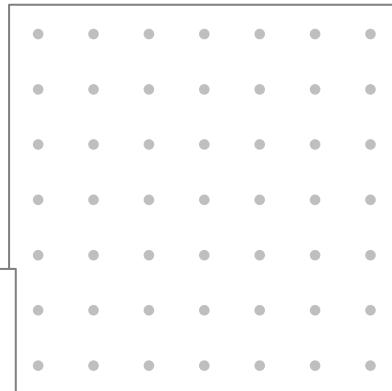
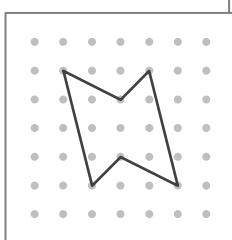
①

お手本



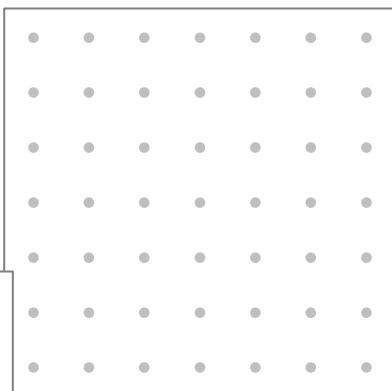
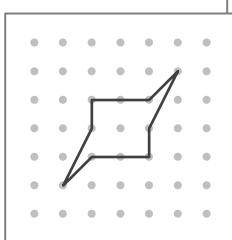
④

お手本



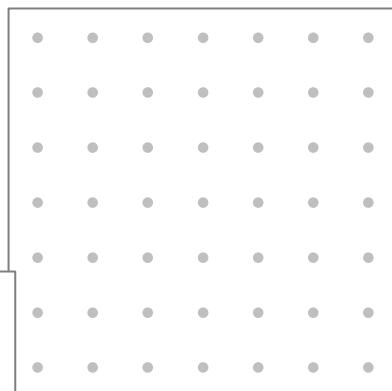
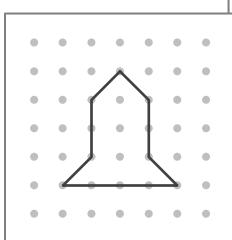
②

お手本



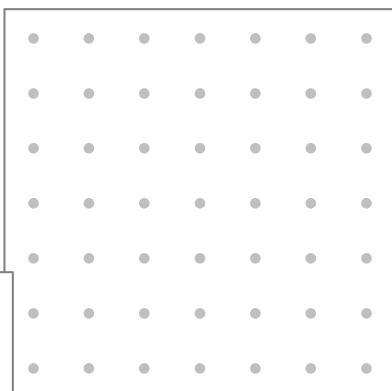
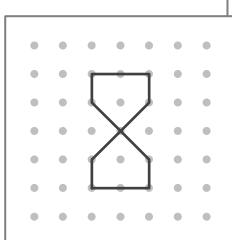
⑤

お手本



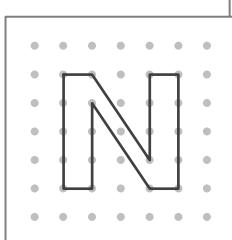
③

お手本



⑥

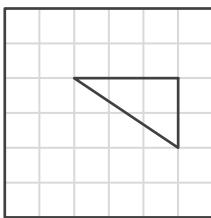
お手本



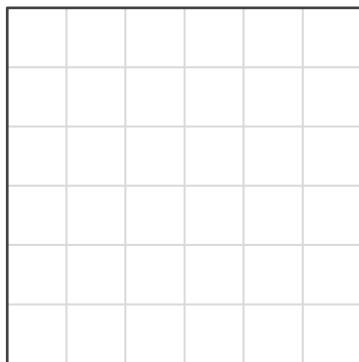


■ お手本と同じ三角形をかきましょう。

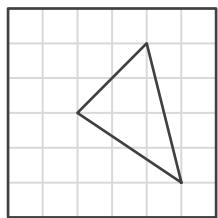
①



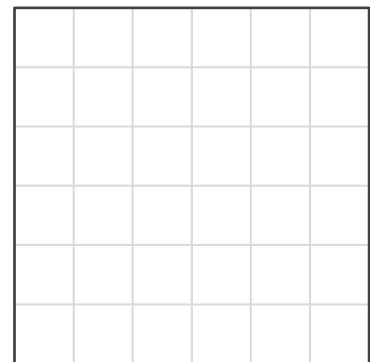
お手本



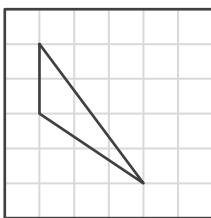
④



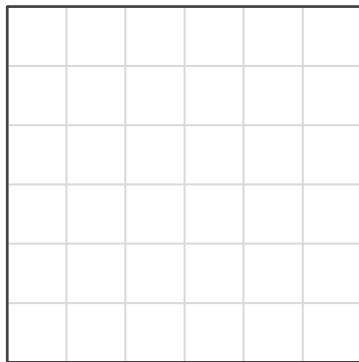
お手本



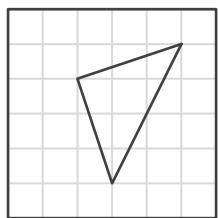
②



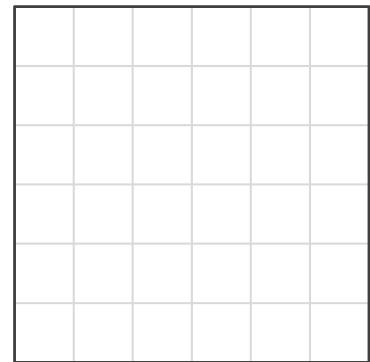
お手本



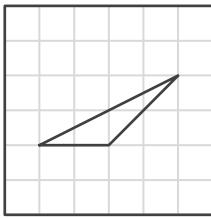
⑤



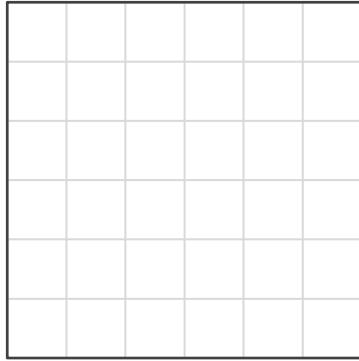
お手本



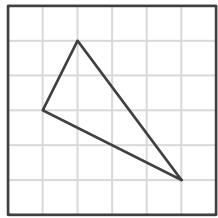
③



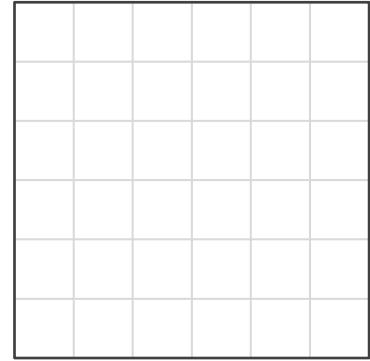
お手本



⑥



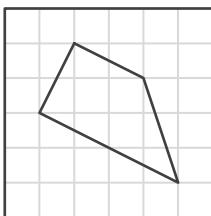
お手本



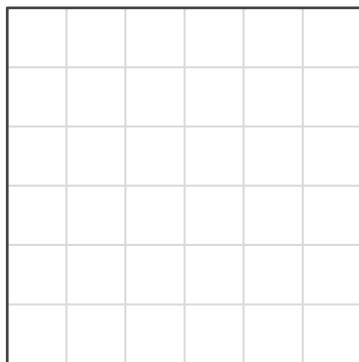


■ お手本と同じ四角形をかきましょう。

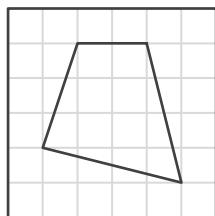
①



お手本



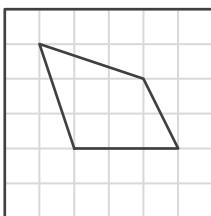
④



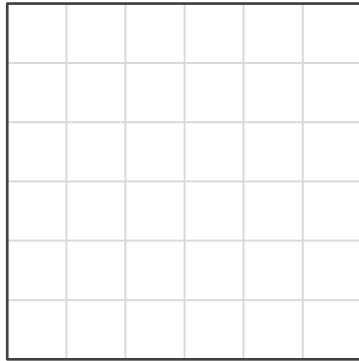
お手本



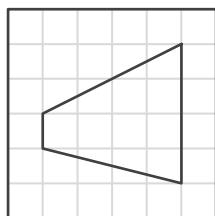
②



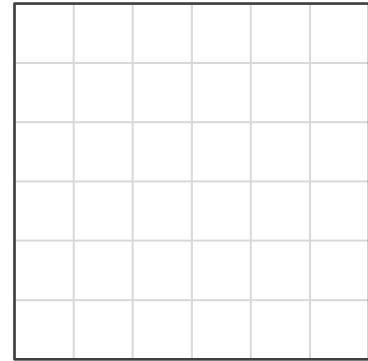
お手本



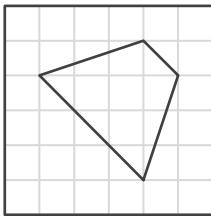
⑤



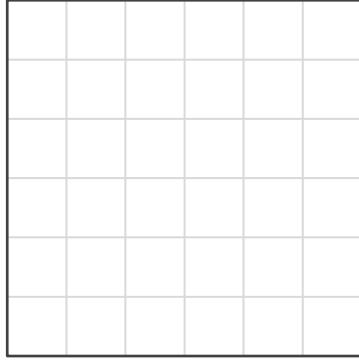
お手本



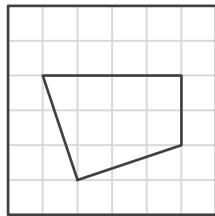
③



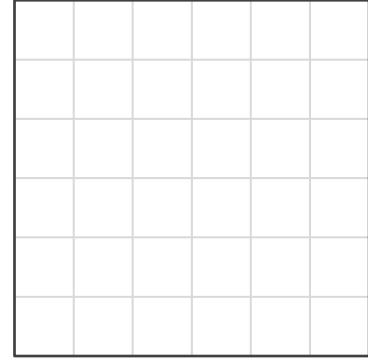
お手本



⑥



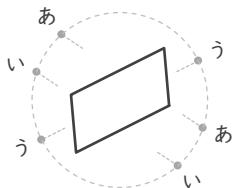
お手本



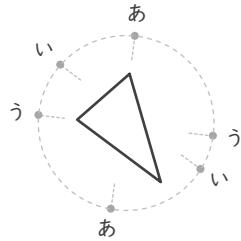


■ 指示の通りに分けられるように、あ～うのどれか1組を定規でつなぎましょう。

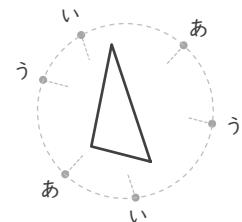
① 2つの四角形に



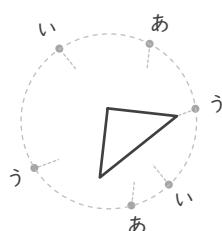
⑥ 三角形と四角形に



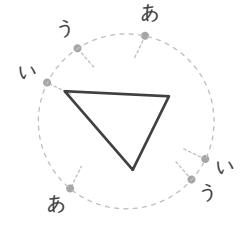
⑪ 2つの三角形に



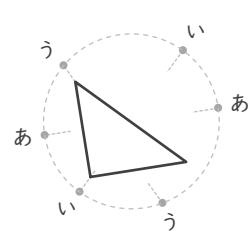
② 三角形と四角形に



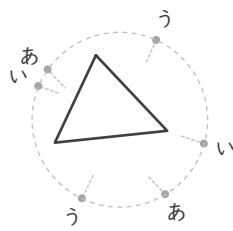
⑦ 2つの三角形に



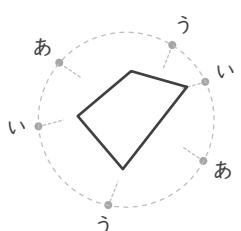
⑫ 三角形と四角形に



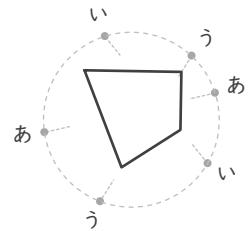
③ 2つの三角形に



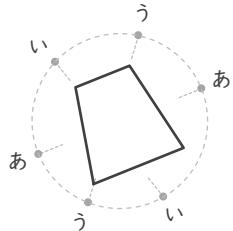
⑧ 2つの四角形に



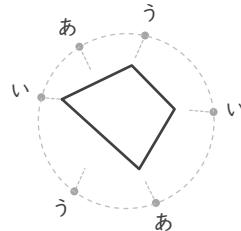
⑬ 三角形と四角形に



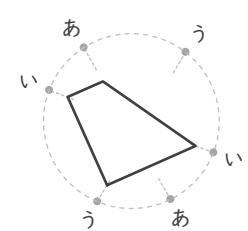
④ 三角形と四角形に



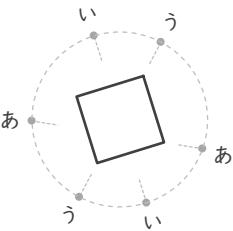
⑨ 2つの三角形に



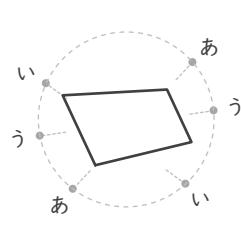
⑭ 2つの三角形に



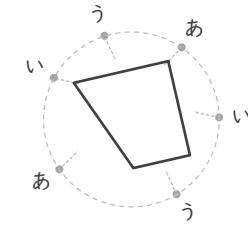
⑤ 2つの三角形に



⑩ 三角形と四角形に



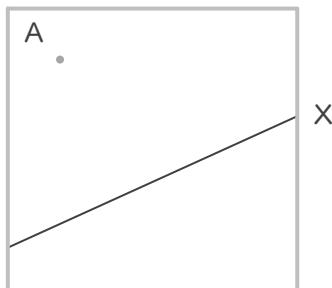
⑮ 2つの四角形に



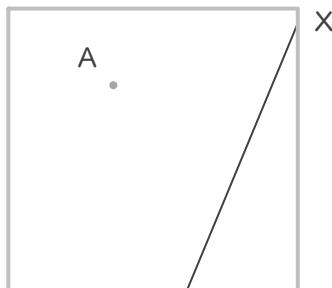


■ 点Aを通って、線Xに平行な直線をかきましょう。(三角定規を使います。)

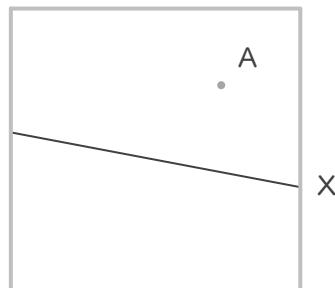
①



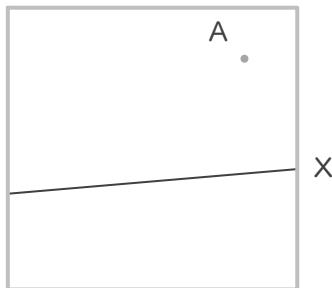
⑤



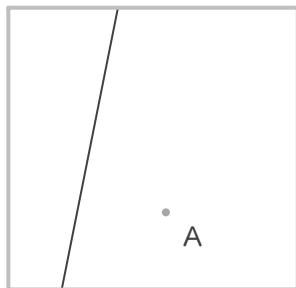
⑨



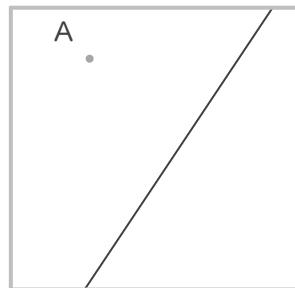
②



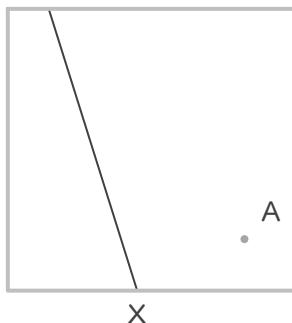
⑥



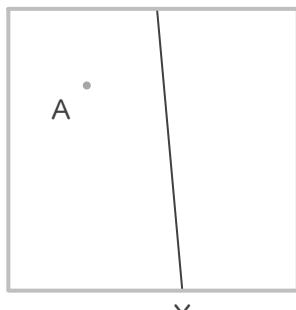
⑩



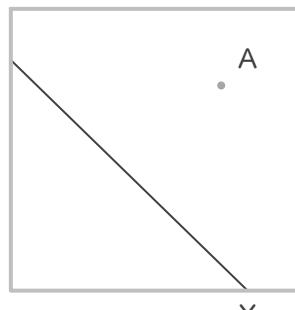
③



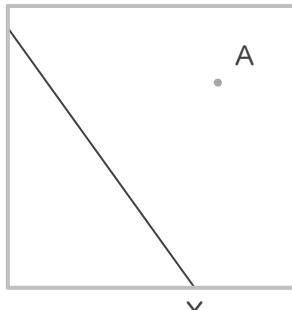
⑦



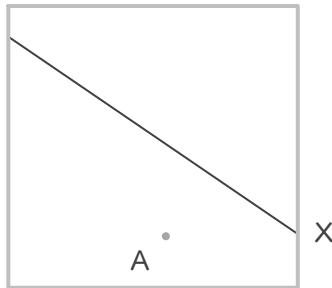
⑪



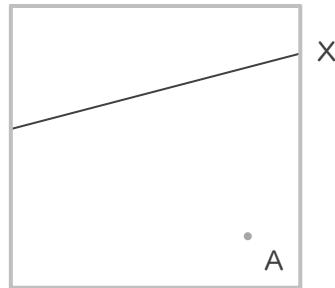
④



⑧



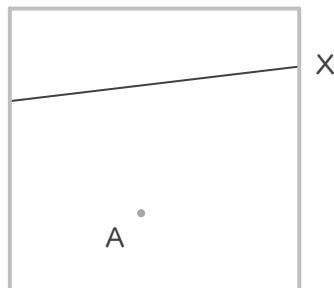
⑫



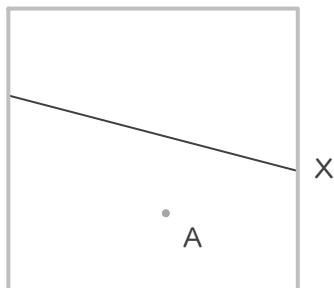


■ 点Aを通って、線Xに垂直な直線をかきましょう。(三角定規を使います。)

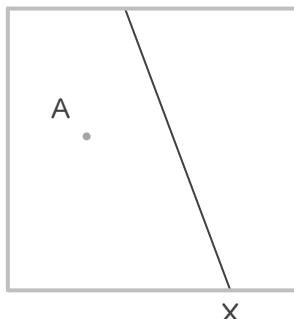
①



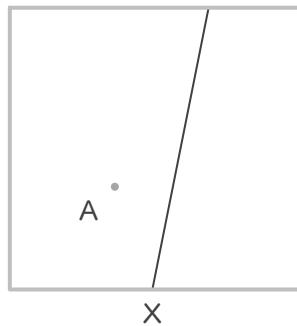
⑤



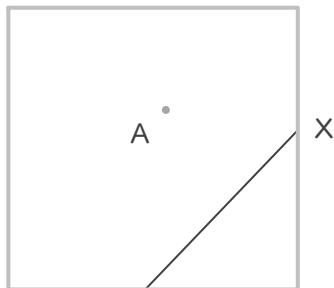
⑨



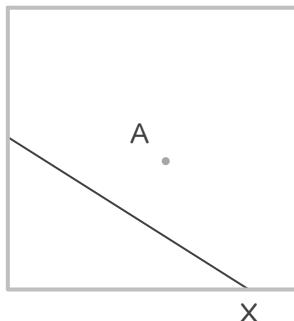
②



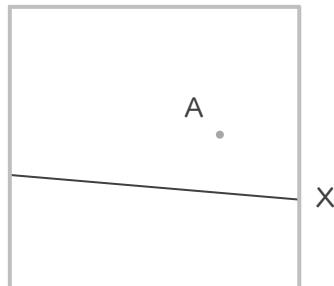
⑥



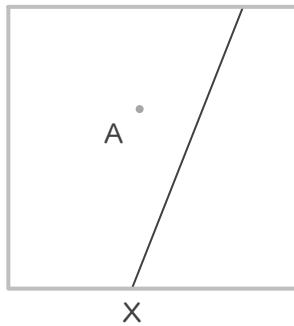
⑩



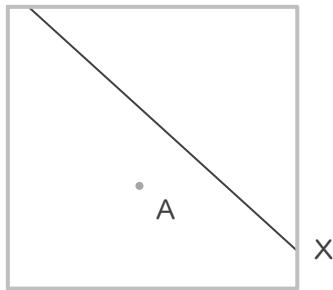
③



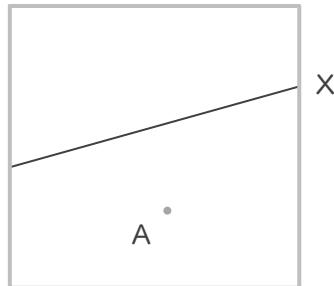
⑦



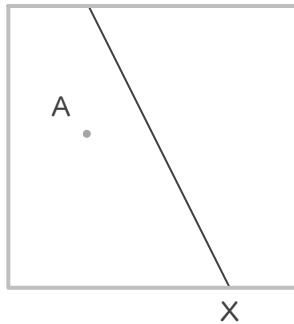
⑪



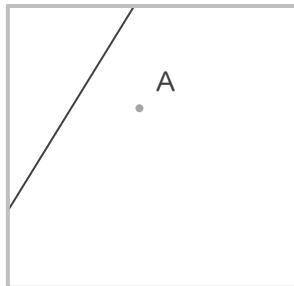
④



⑧



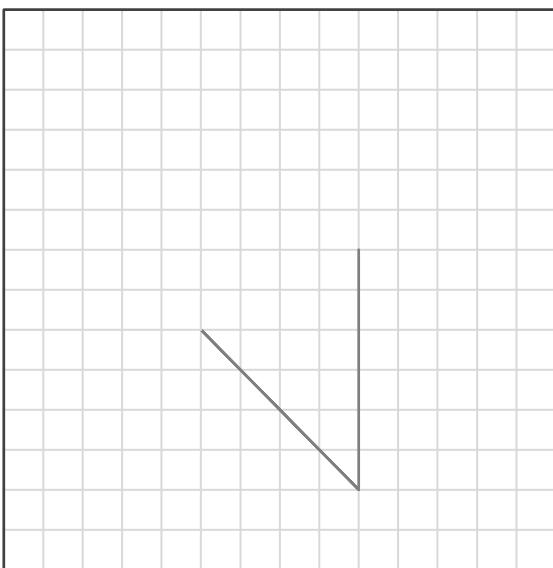
⑫



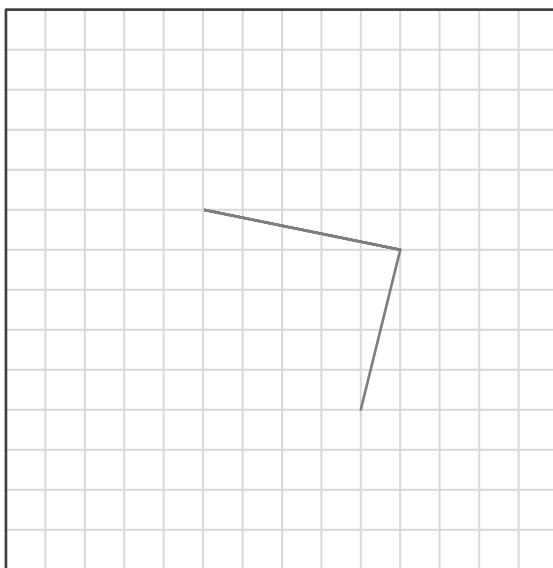


■ 示された2本の線を2辺とする平行四辺形をかきましょう。

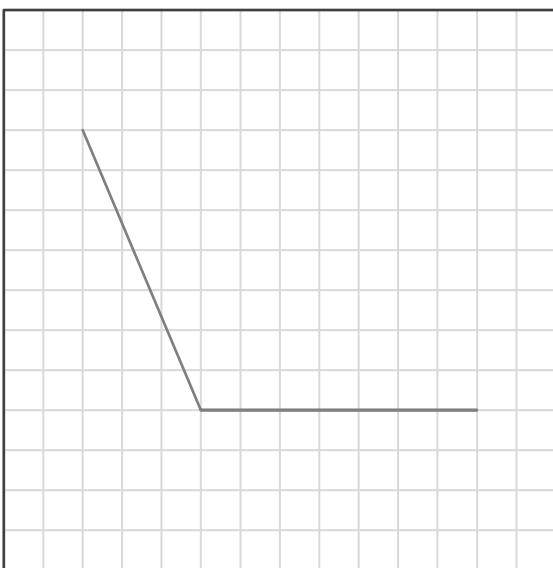
①



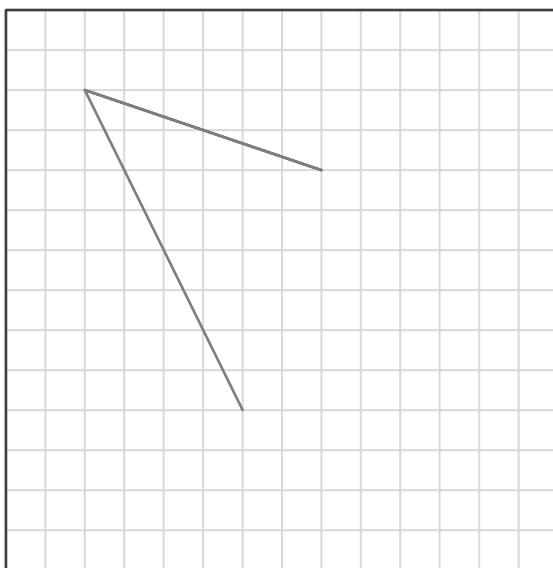
②



③



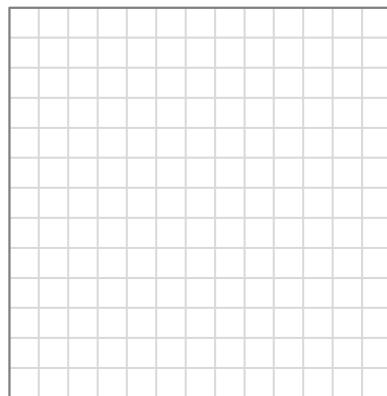
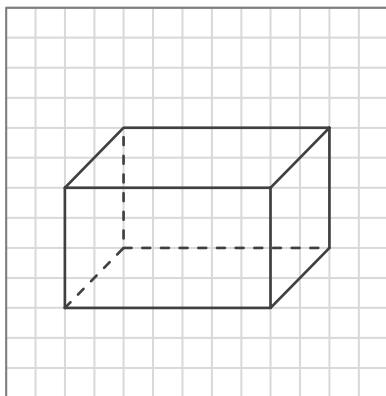
④



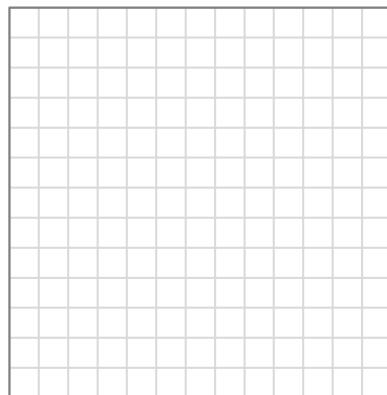
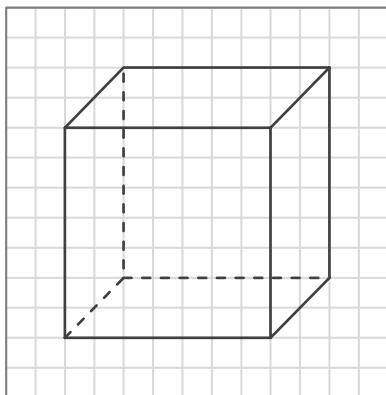


■ 直方体や立方体の見取図をかき写しましょう。

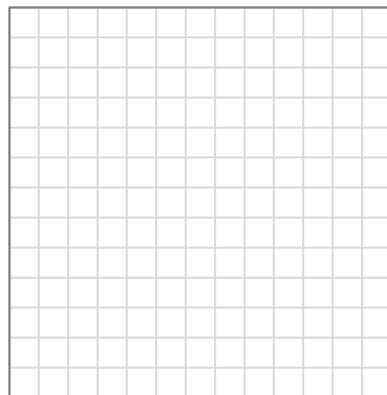
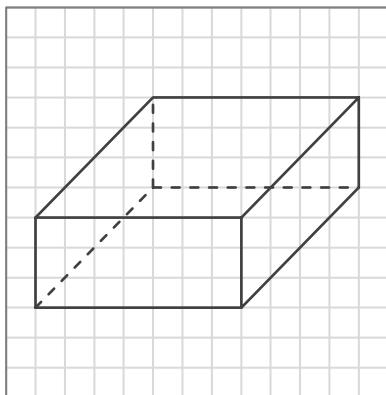
①



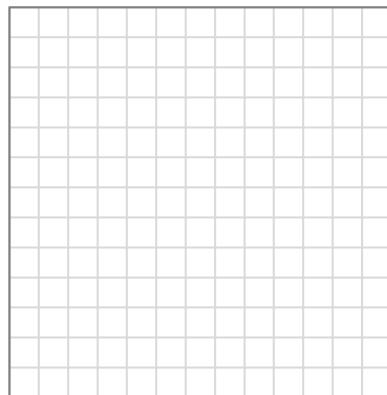
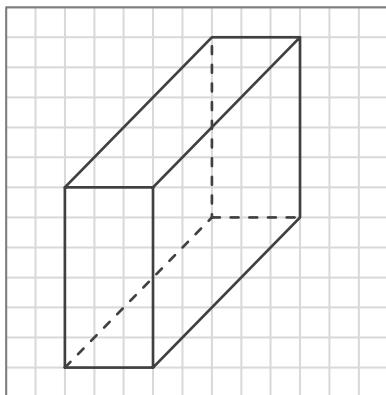
②



③



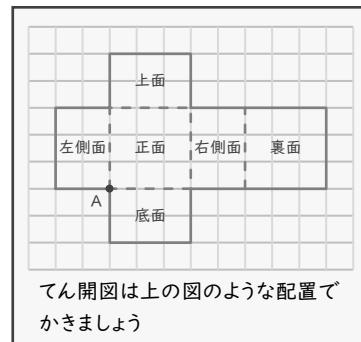
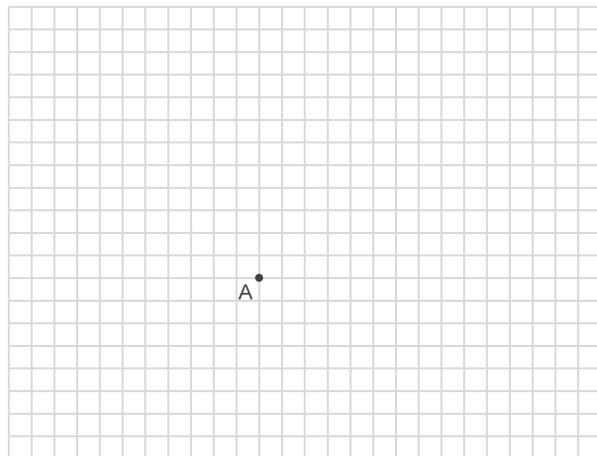
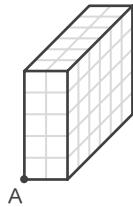
④



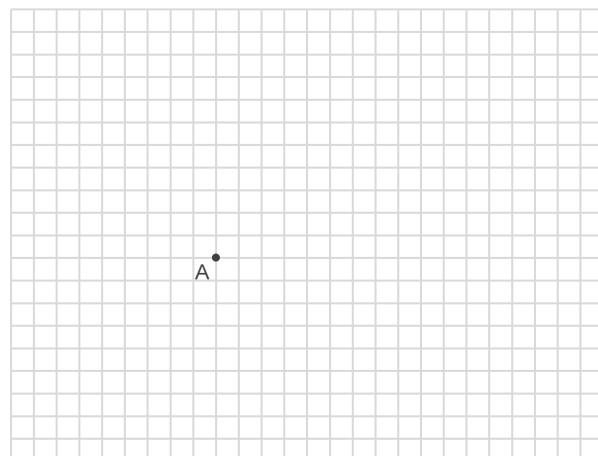
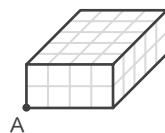


■ 直方体や立方体の見取図を見ながら、頂点Aが指定された位置にくるように、展開図をかきましょう。ただし、折れ目となる線は点線でかきましょう。

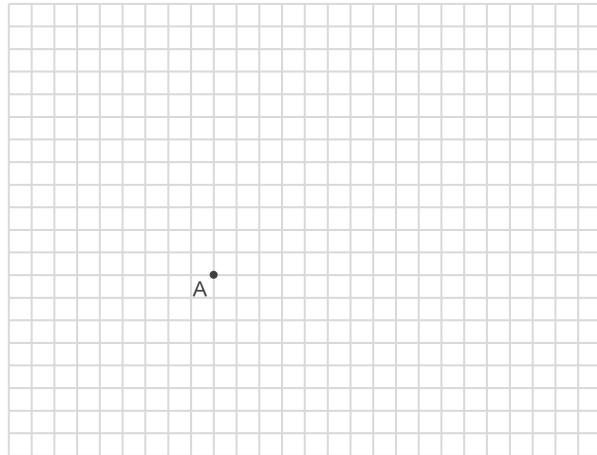
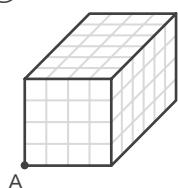
①



②



③



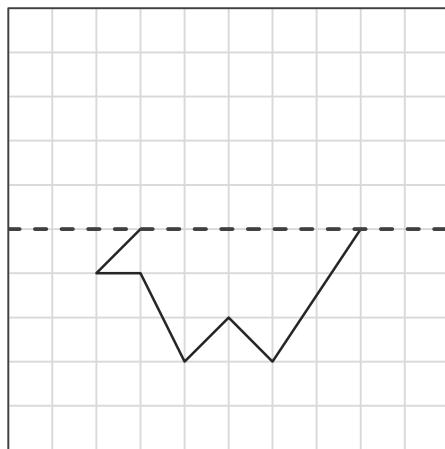


■ 点線が対称の軸となるように、線対称な図形をかきましょう。

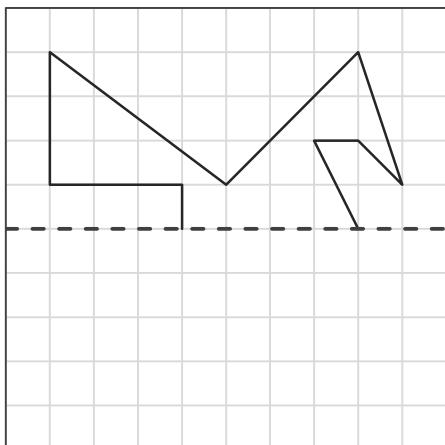
①



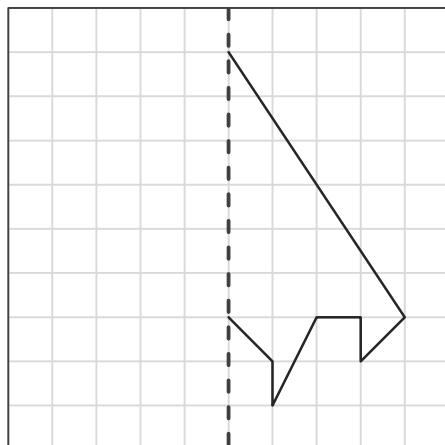
④



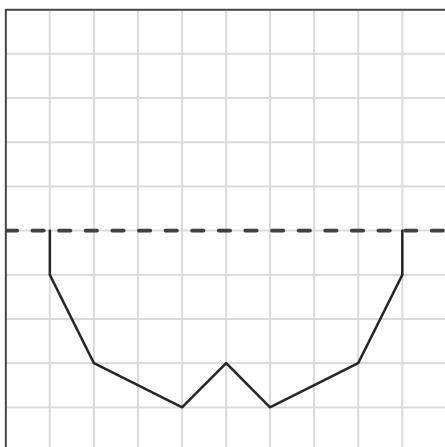
②



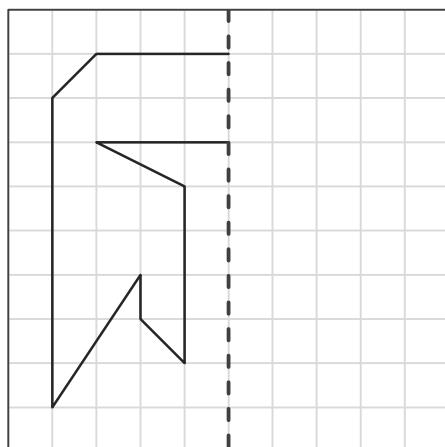
⑤



③



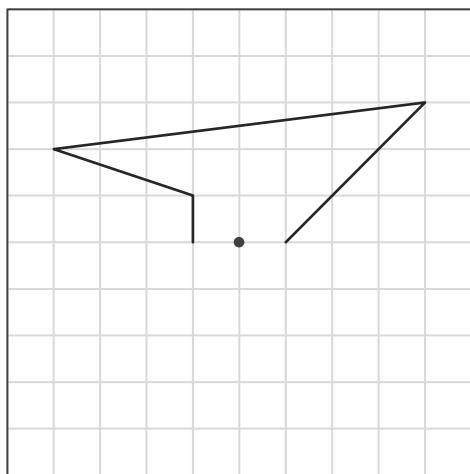
⑥



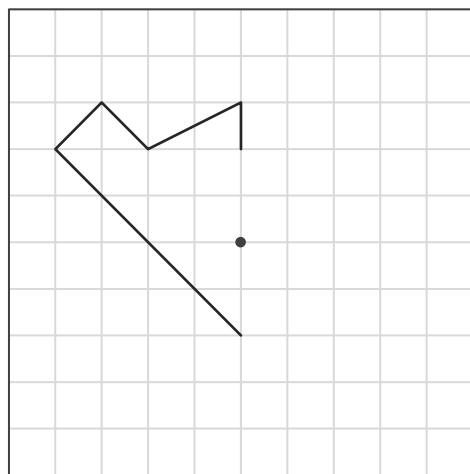


■ 点が対称の中心となるように、点対称な図形をかきましょう。

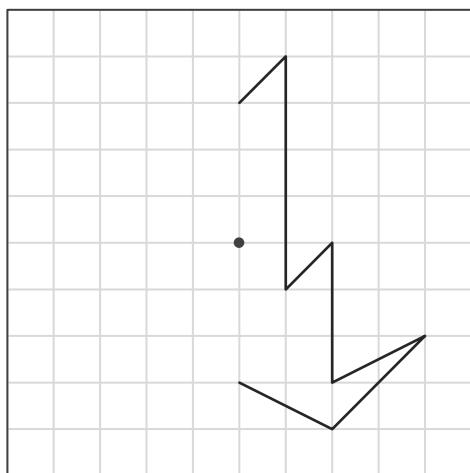
①



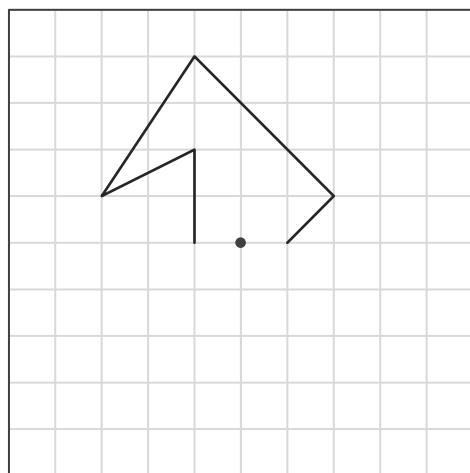
④



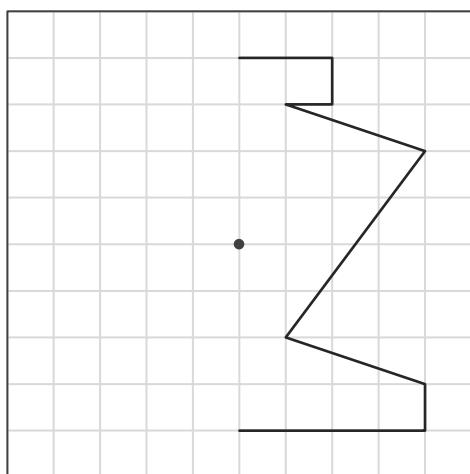
②



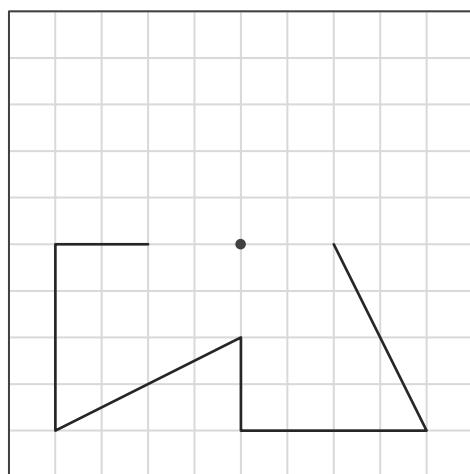
⑤



③



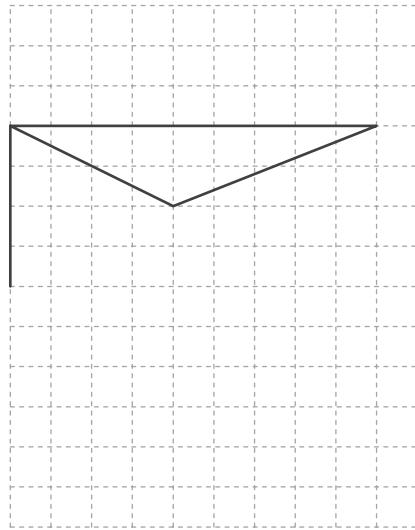
⑥



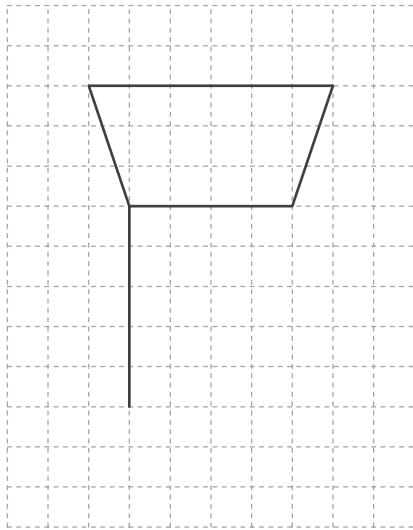


■ 角柱や円柱の見取図の続きをかきましょう。見えない線は点線でかきましょう。

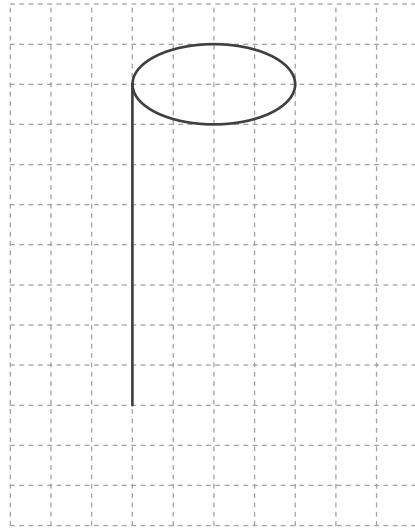
① 三角柱



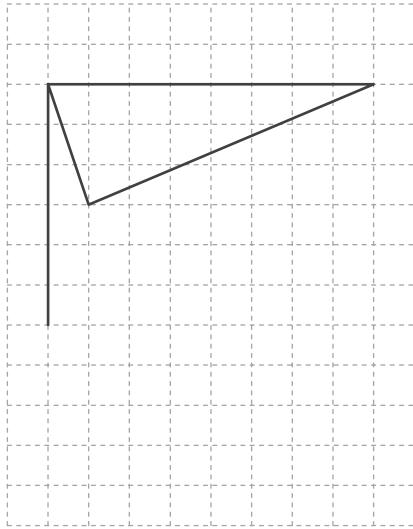
④ 四角柱



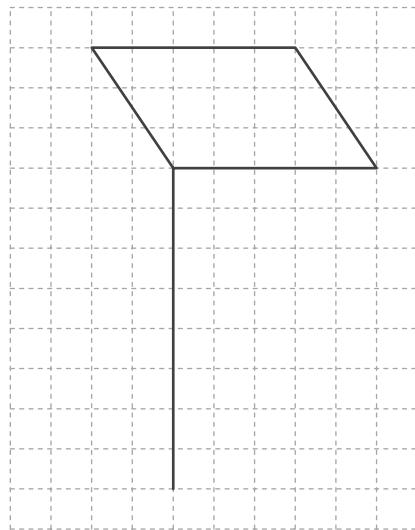
② 円柱



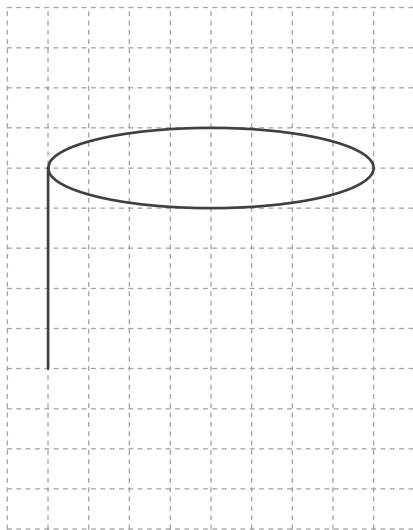
⑤ 三角柱



③ 四角柱



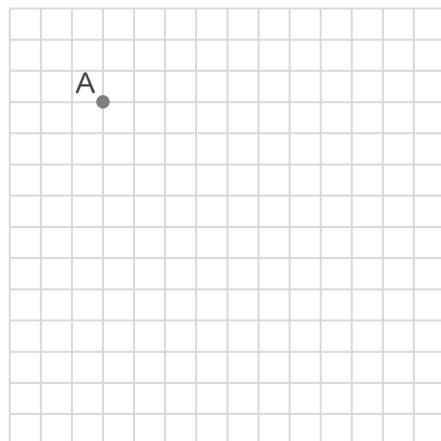
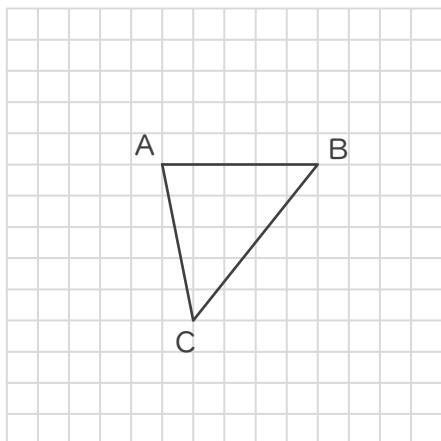
⑥ 円柱



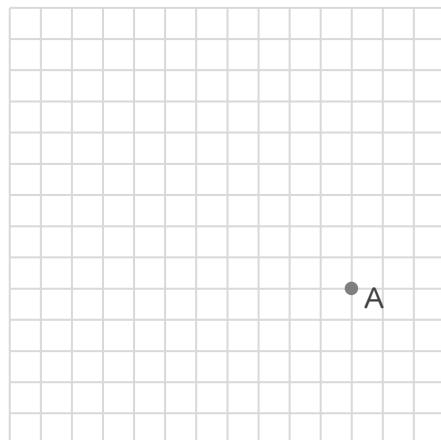
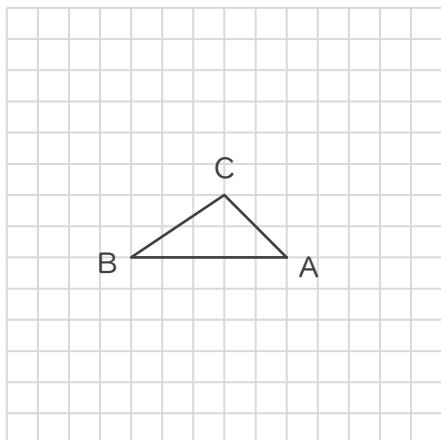


■ 頂点Aを中心として、次のような三角形の拡大図をかきましょう。

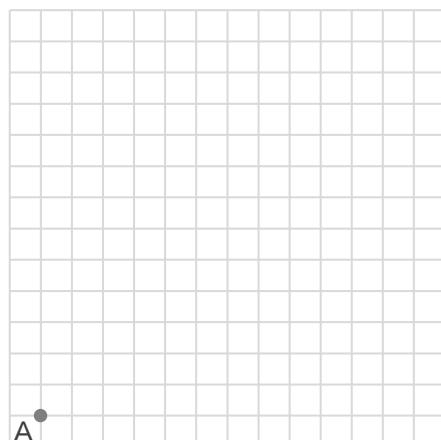
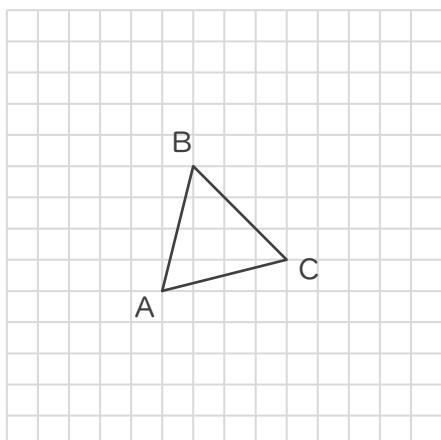
① 三角形ABCの2倍の拡大図



② 三角形ABCの2倍の拡大図



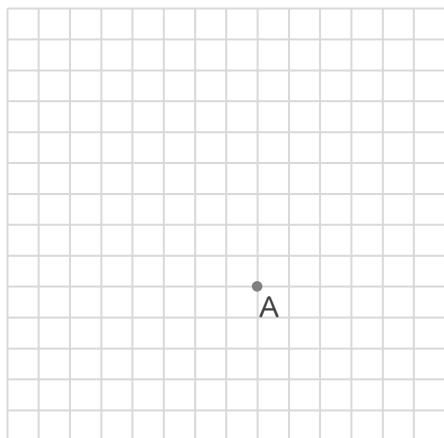
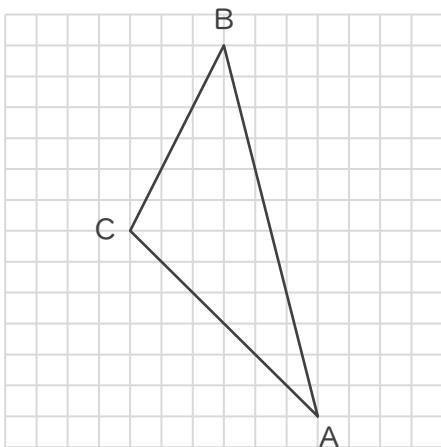
③ 三角形ABCの3倍の拡大図



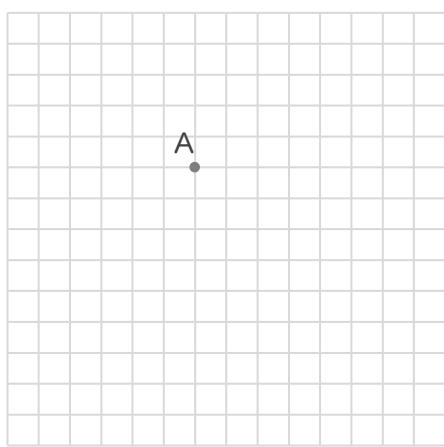
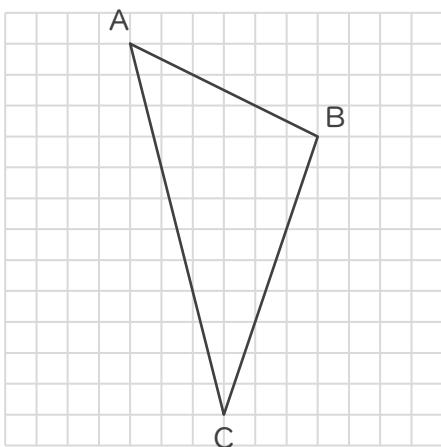


■ 頂点Aを中心として、次のような三角形の縮図をかきましょう。

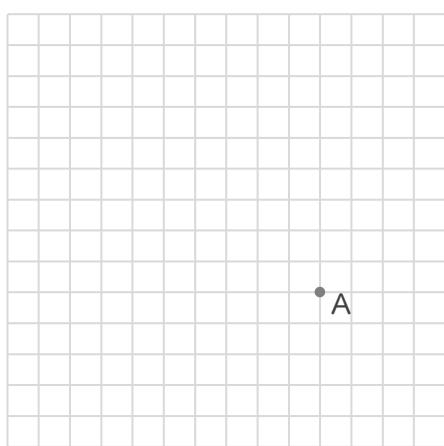
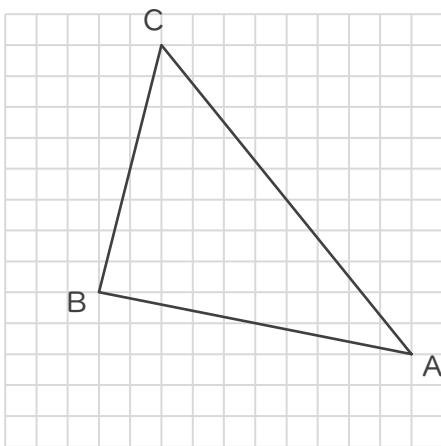
① 三角形ABCの 3分の1 の縮図



② 三角形ABCの 3分の1 の縮図



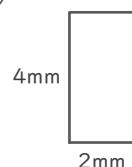
③ 三角形ABCの 2分の1 の縮図





■ 次の長方形や正方形の面積を求めましょう。

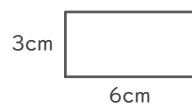
①



(式)



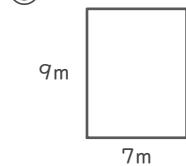
②



(式)



③



(式)



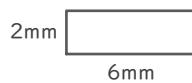
④



(式)



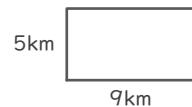
⑤



(式)



⑥



(式)



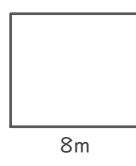
⑦



(式)



⑧



(式)



⑨



(式)



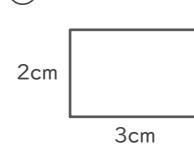
⑩



(式)



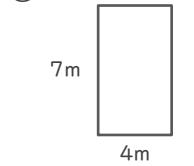
⑪



(式)



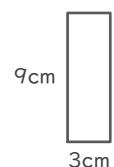
⑫



(式)



⑬



(式)



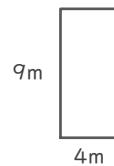
⑭



(式)



⑮



(式)



⑯



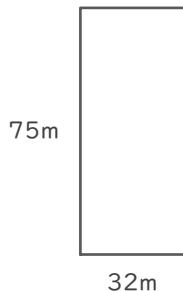
(式)





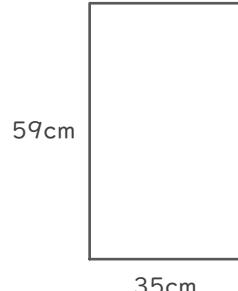
■ 次の長方形や正方形の面積を求めましょう。

①



(式)

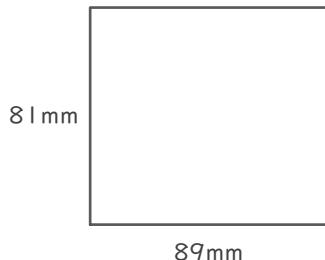
②



(式)

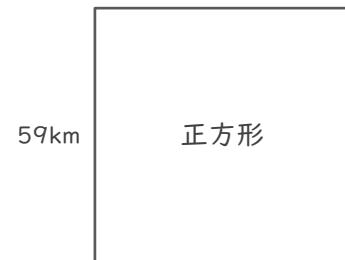


③



(式)

④



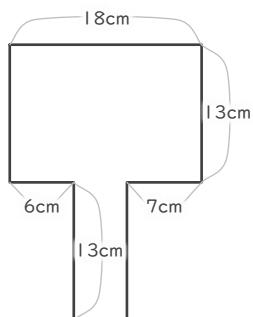
(式)



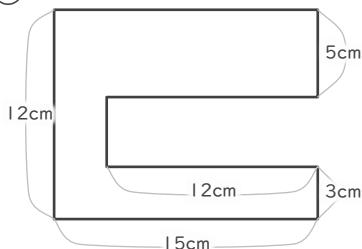


■ 次の図形の面積を求めましょう。

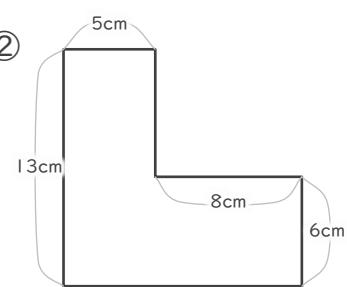
①

 cm^2

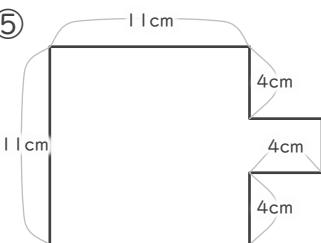
④

 cm^2

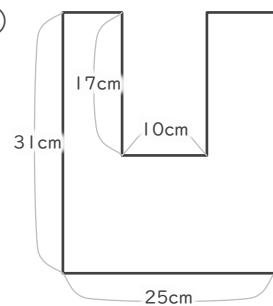
②

 cm^2

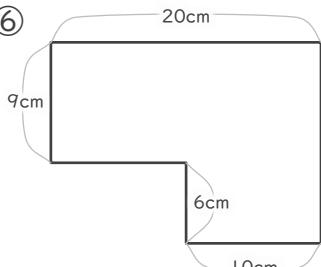
⑤

 cm^2

③

 cm^2

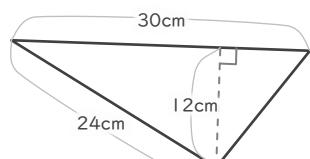
⑥

 cm^2

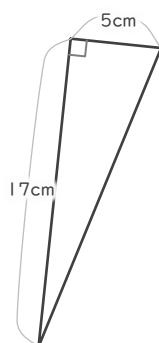


■ 次の三角形の面積を求めなさい。

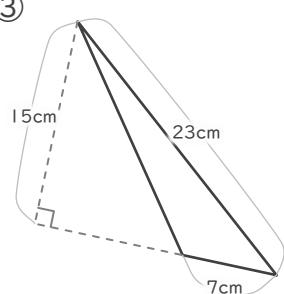
①



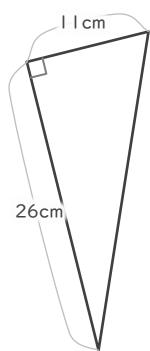
②



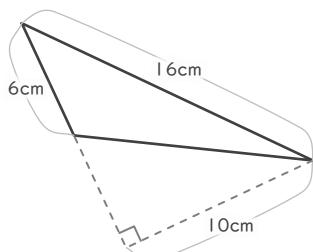
③



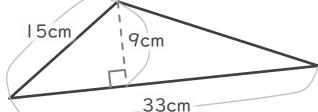
④



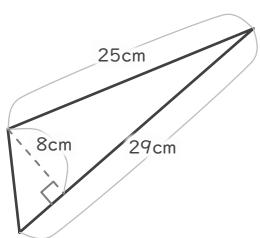
⑤



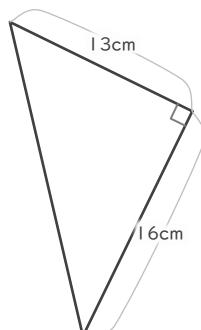
⑥



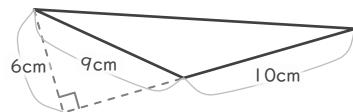
⑦



⑧



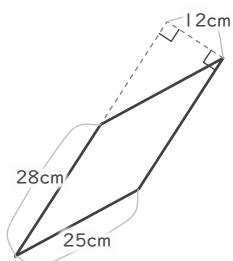
⑨



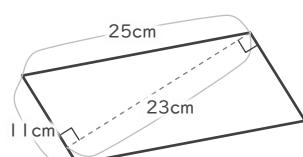


■ 次の平行四辺形の面積を求めなさい。

①



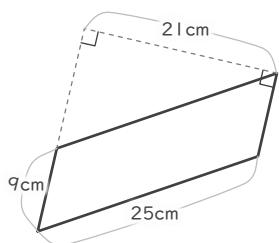
②



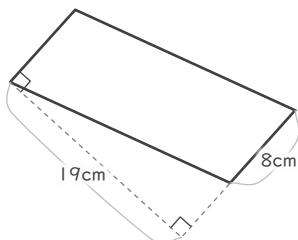
③



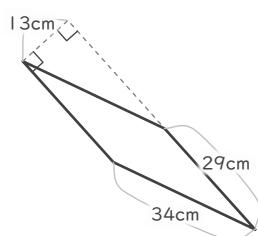
④



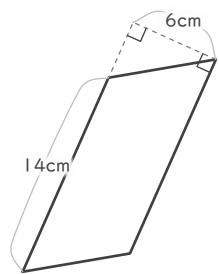
⑤



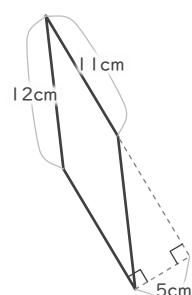
⑥



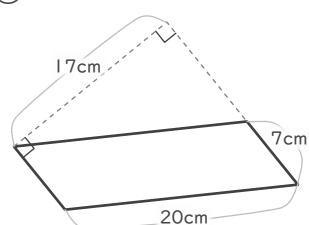
⑦



⑧



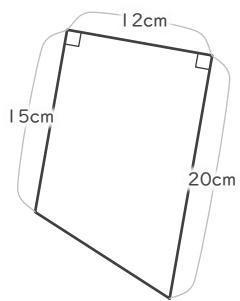
⑨



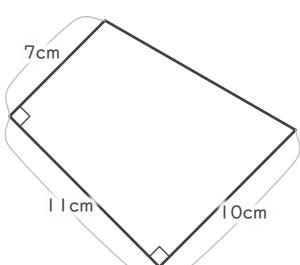


■ 次の台形の面積を求めなさい。

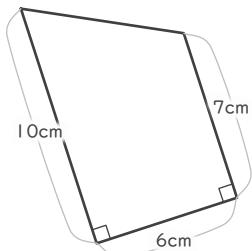
①



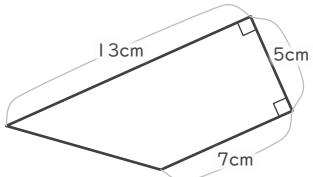
②



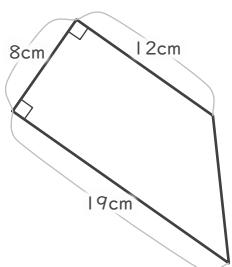
③



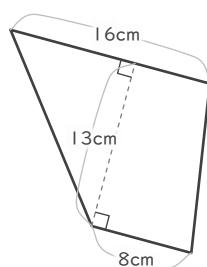
④



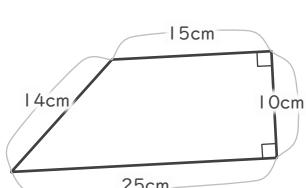
⑤



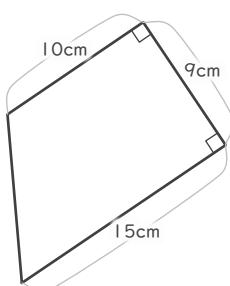
⑥



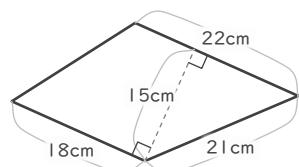
⑦



⑧



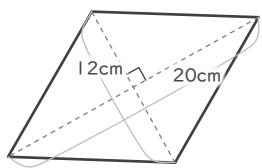
⑨



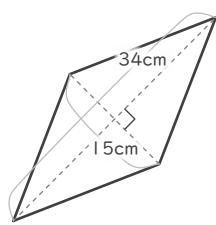


■ 次のひし形の面積を求めなさい。

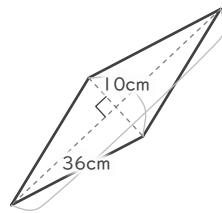
①



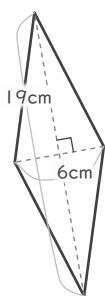
②



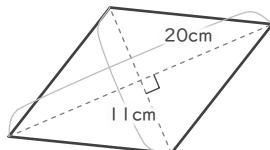
③



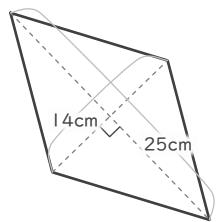
④



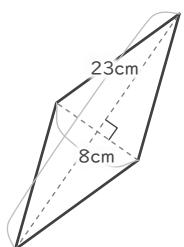
⑤



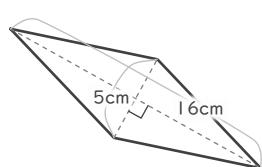
⑥



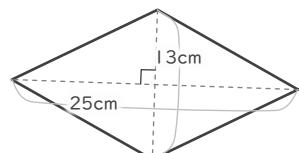
⑦



⑧



⑨





■ 次のような円の面積を求めましょう。

① 半径 2cm の円

(式)

② 直径 6m の円

(式)

③ 直径 10cm の円

(式)

④ 半径 8cm の円

(式)

⑤ 半径 9m の円

(式)

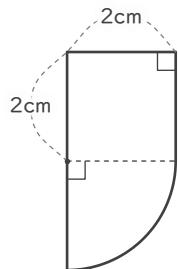
⑥ 直径 24cm の円

(式)

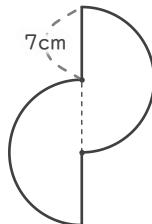


■ 半円やおうぎ型、正方形を組み合わせてできている次の図形の面積を答えましょう。

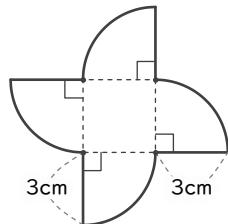
①



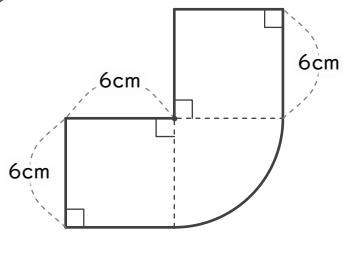
②



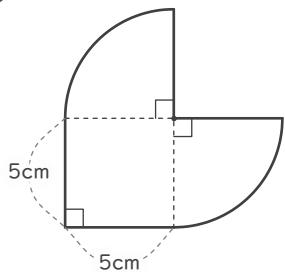
③



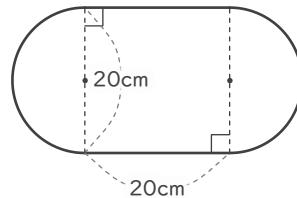
④



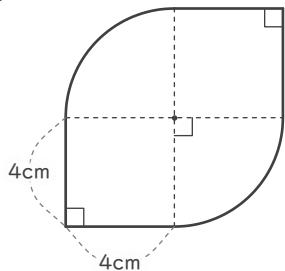
⑤



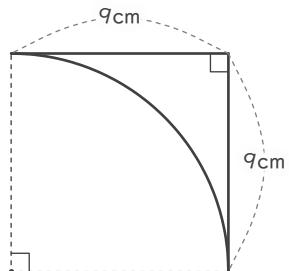
⑥



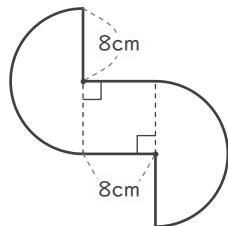
⑦



⑧



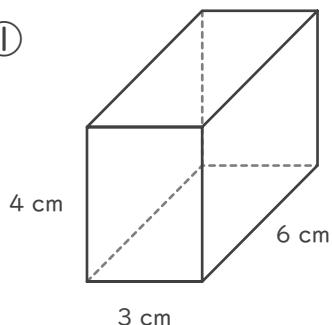
⑨



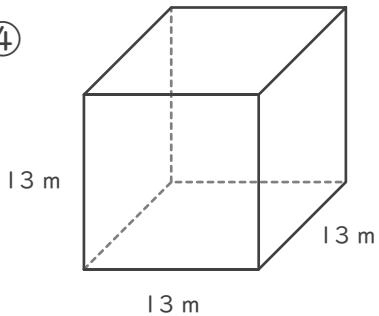


■ 次の直方体や立方体の体積を求めましょう。

①

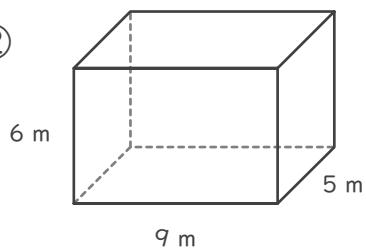


④

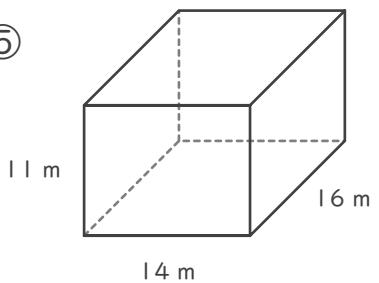


13 m

②

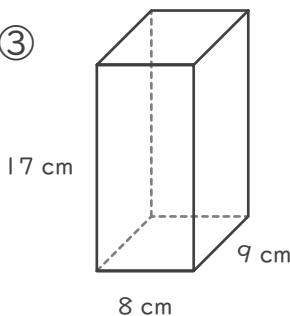


⑤

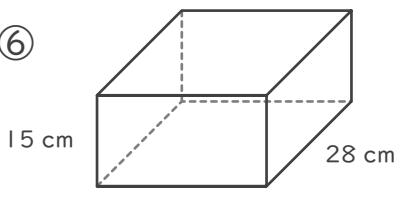


14 m

③



⑥

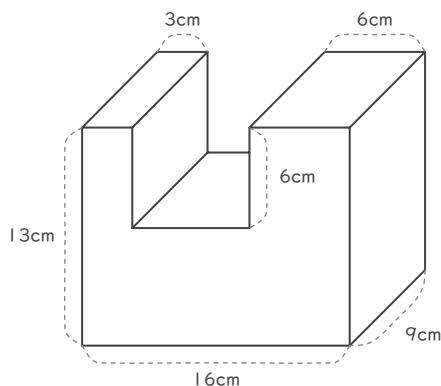


28 cm

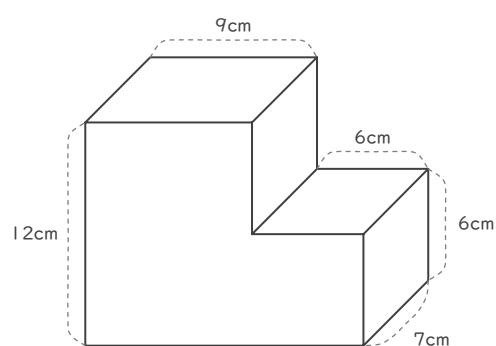


■ 次の立体の体積を求めましょう。

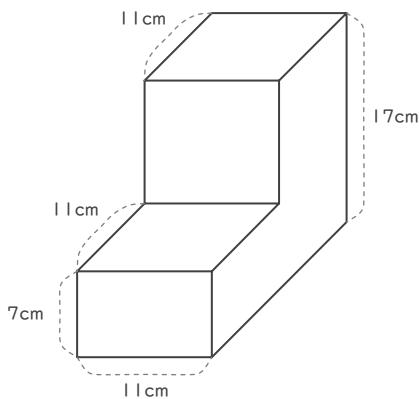
①



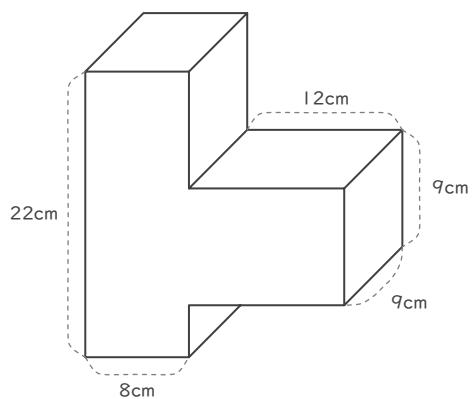
③

 cm^3 cm^3

②



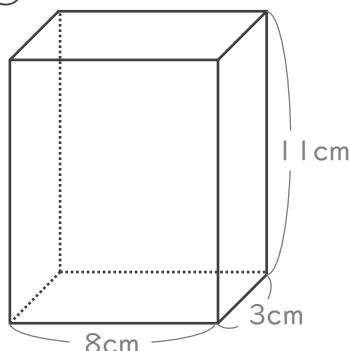
④

 cm^3 cm^3

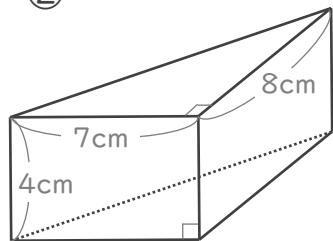


■ 次の角柱や円柱の体積を求めましょう。

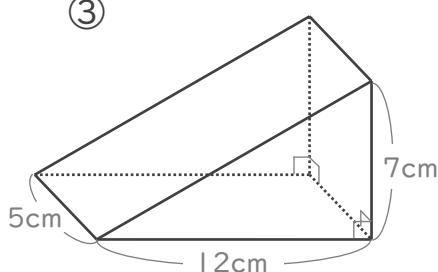
①

 cm^3

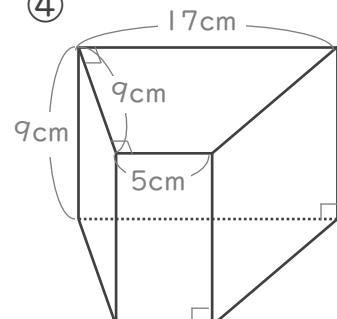
②

 cm^3

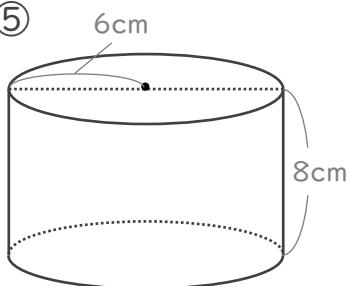
③

 cm^3

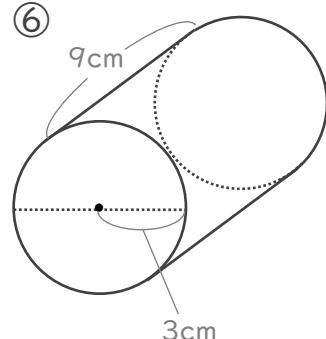
④

 cm^3

⑤

 cm^3

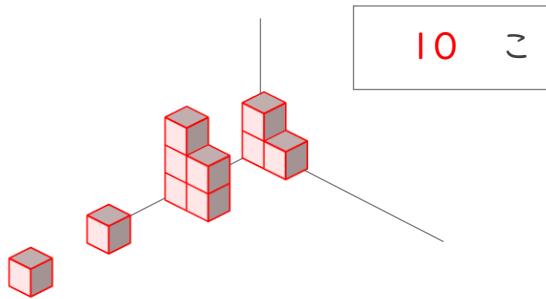
⑥

 cm^3 cm^3



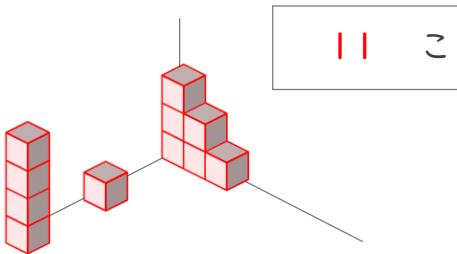
■ つみきの数を数えましょう。

①



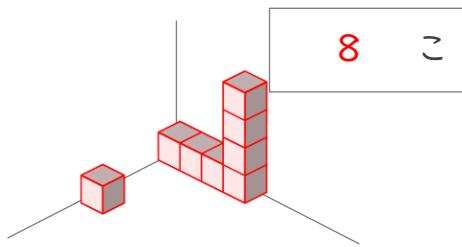
10 こ

⑤



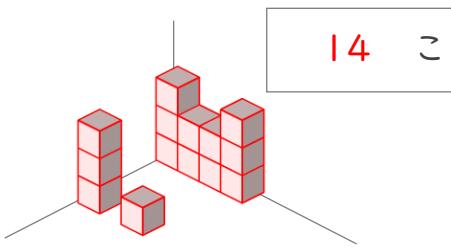
11 こ

②



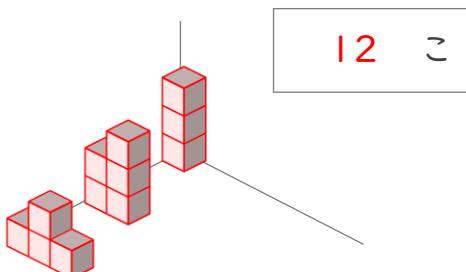
8 こ

⑥



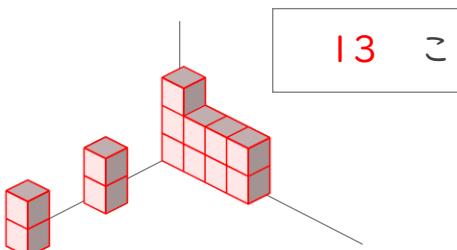
14 こ

③



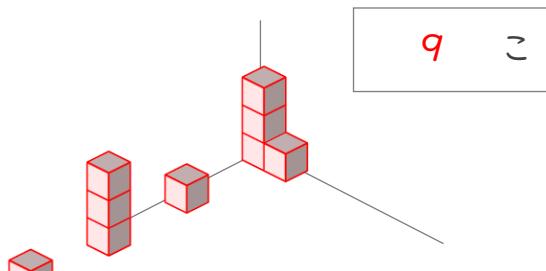
12 こ

⑦



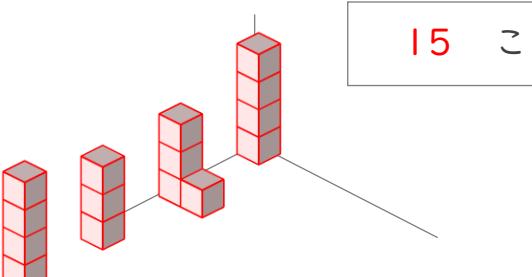
13 こ

④



9 こ

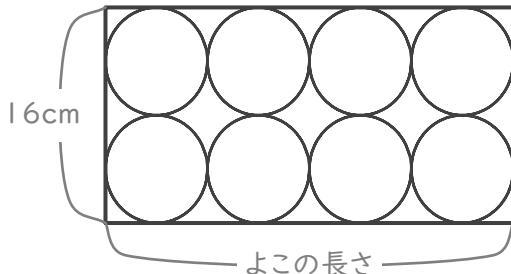
⑧



15 こ



■ 下の図のように、長方形の中に8つの円がぴったり入っています。



① 円の直径は何cmですか。

$$16 \div 2 = 8$$

8 cm

② 円の半径は何cmですか。

$$8 \div 2 = 4$$

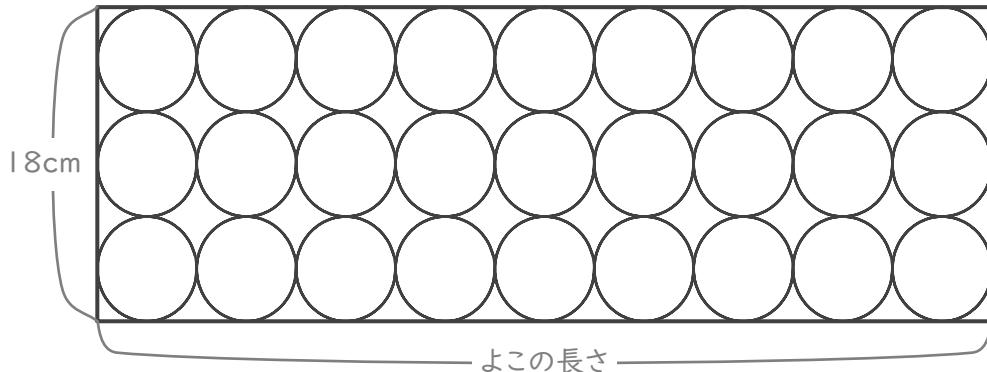
4 cm

③ 長方形のよこの長さは何cmですか。

$$8 \times 4 = 32$$

32 cm

■ 下の図のように、長方形の中に27この円がぴったり入っています。



④ 円の直径は何cmですか。

$$18 \div 3 = 6$$

6 cm

⑤ 円の半径は何cmですか。

$$6 \div 2 = 3$$

3 cm

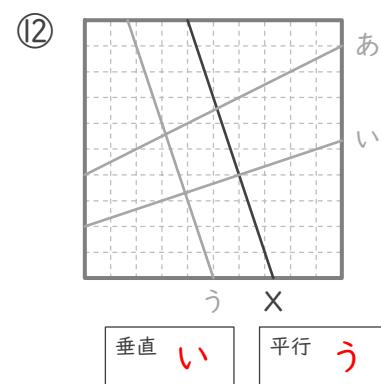
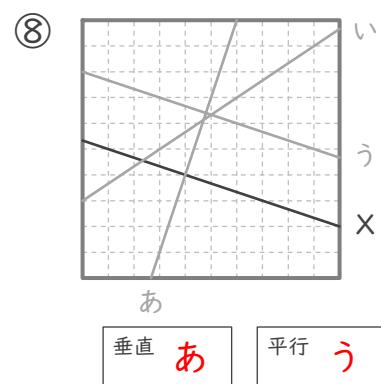
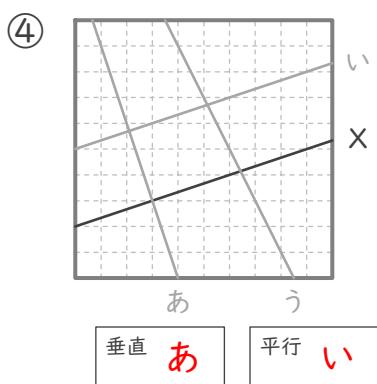
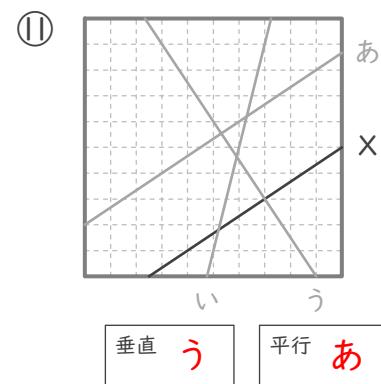
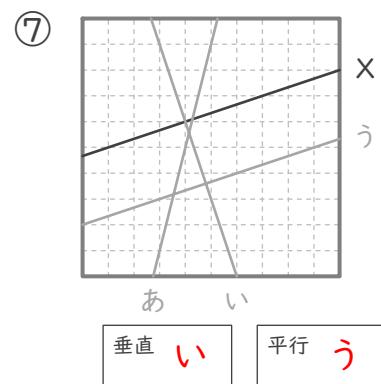
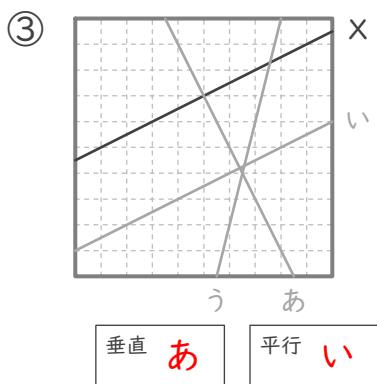
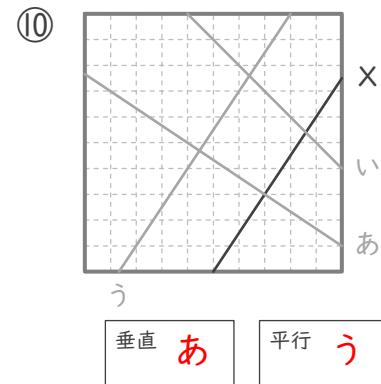
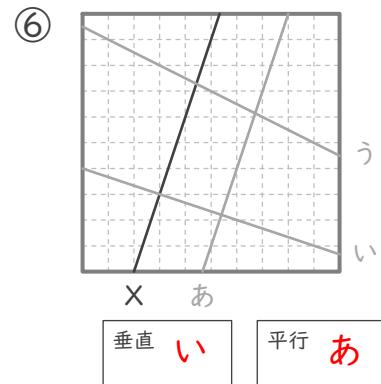
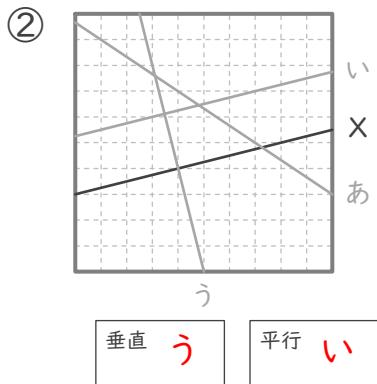
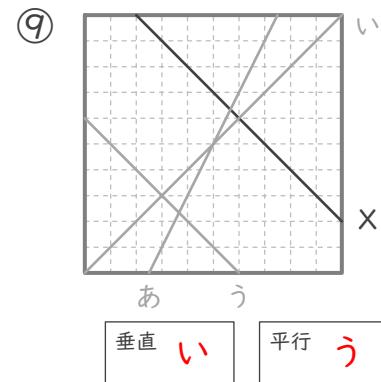
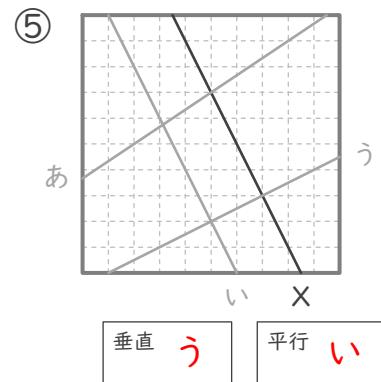
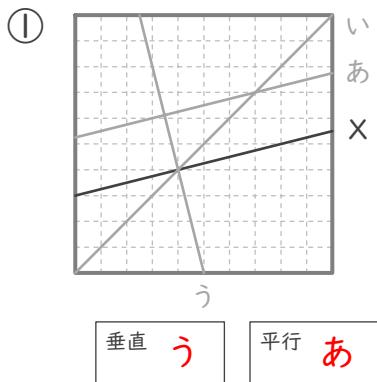
⑥ 長方形のよこの長さは何cmですか。

$$6 \times 9 = 54$$

54 cm



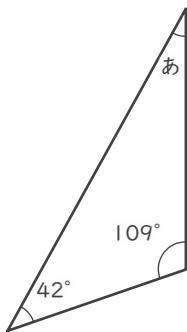
■ 直線Xと垂直な直線、平行な直線をそれぞれ選び、記号で答えましょう。





■ つぎの三角形の あ～け の角の大きさを答えましょう。

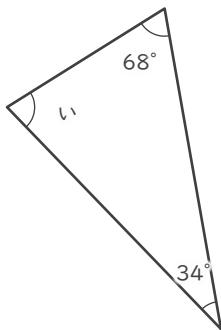
①



あ

 29°

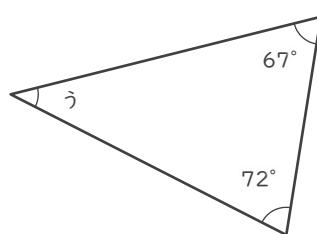
②



い

 78°

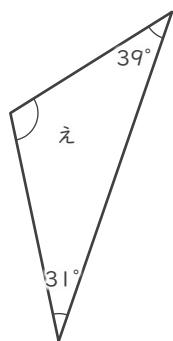
③



う

 41°

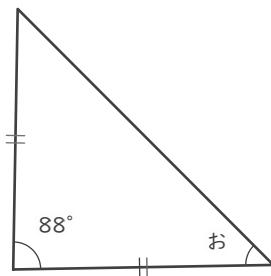
④



え

 110°

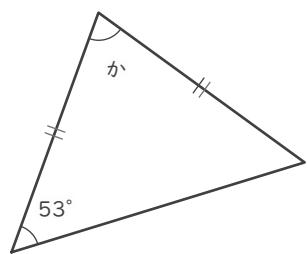
⑤



お

 46°

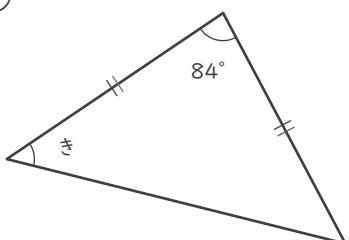
⑥



か

 74°

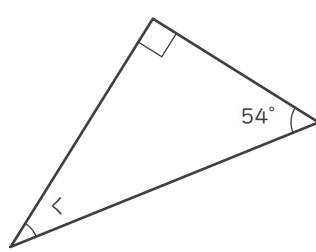
⑦



き

 48°

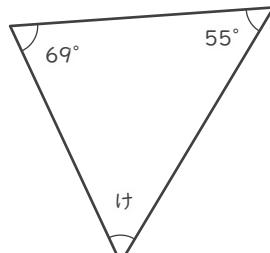
⑧



く

 36°

⑨



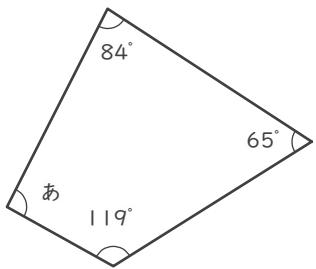
け

 56°

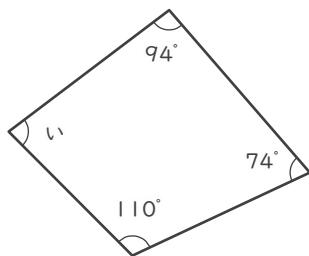


■ つぎの四角形の あ～か の角の大きさを答えましょう。

①



②



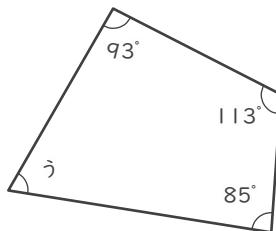
あ

92°

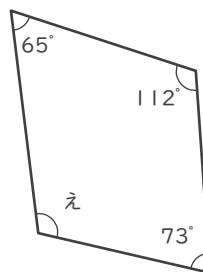
い

82°

③



④



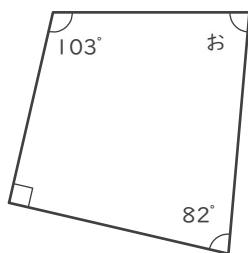
う

69°

え

110°

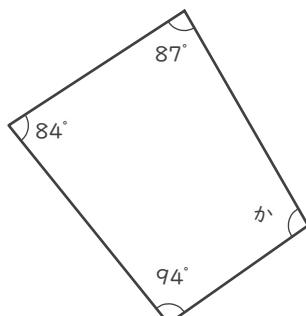
⑤



お

85°

⑥



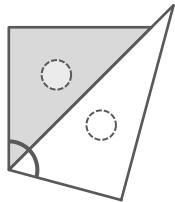
か

95°



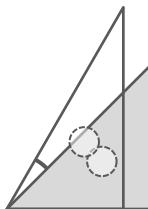
■ 2つの三角定規を組み合わせてできる角の大きさを答えましょう。

①



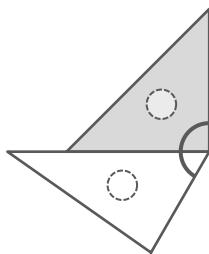
105°

⑤



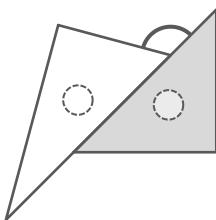
15°

⑨



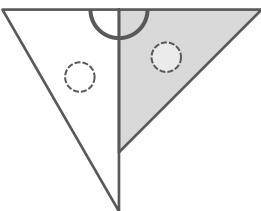
150°

②



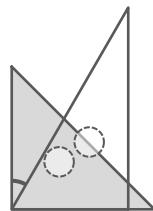
120°

⑥



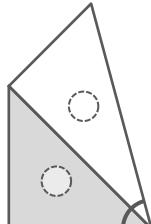
180°

⑩



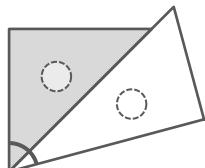
30°

③



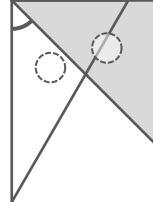
75°

⑦



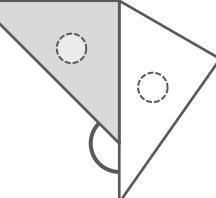
75°

⑪



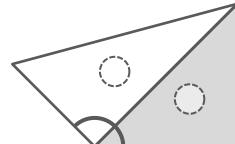
45°

④



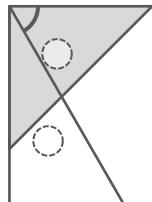
135°

⑧



135°

⑫

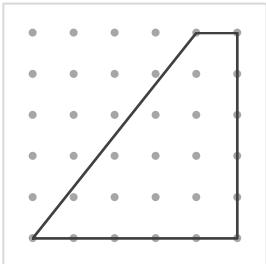


60°



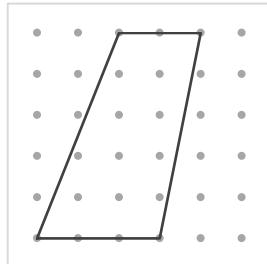
■ 次の四角形が台形なら「だ」、平行四辺形なら「へ」、どちらでもなければ「×」と答えましょう。

①



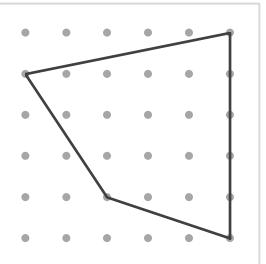
(だ)

⑤



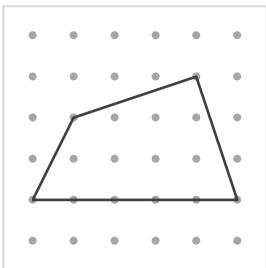
(だ)

⑨



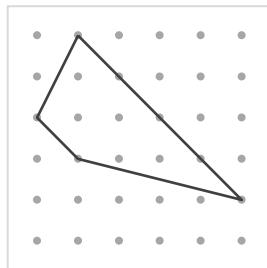
(×)

②



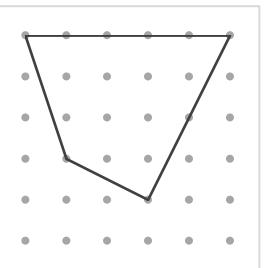
(×)

⑥



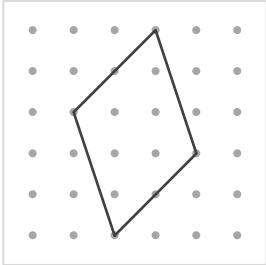
(だ)

⑩



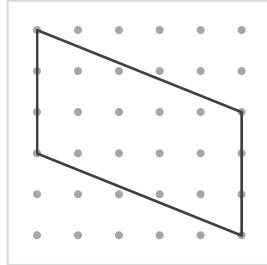
(×)

③



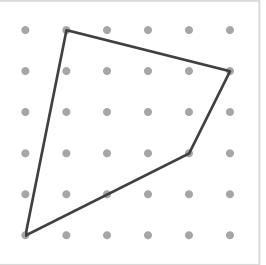
(へ)

⑦



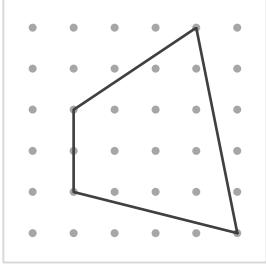
(へ)

⑪



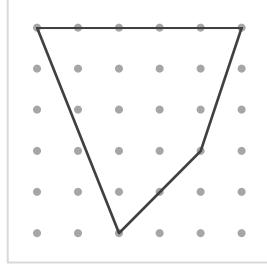
(×)

④



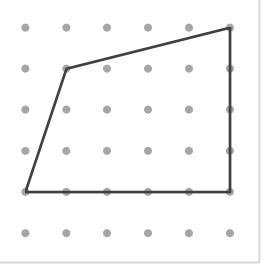
(×)

⑧



(×)

⑫

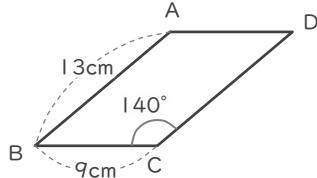


(×)



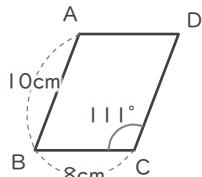
■ 平行四辺形やひし形を見て、辺の長さや角の大きさを答えましょう。

① 平行四辺形



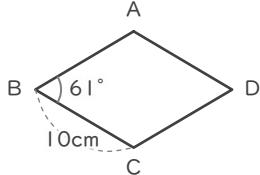
辺CDの長さ 13cm

② 平行四辺形



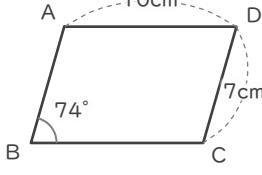
角Bの大きさ 69°

③ ひし形



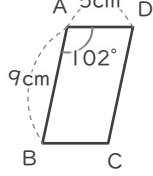
角Dの大きさ 61°

④ 平行四辺形



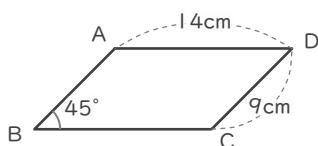
角Dの大きさ 74°

⑤ 平行四辺形



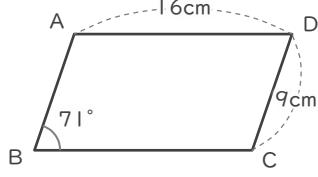
辺BCの長さ 5cm

⑥ 平行四辺形



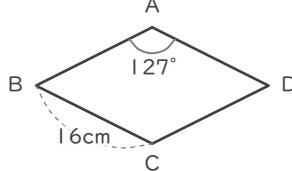
角Aの大きさ 135°

⑦ 平行四辺形



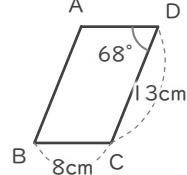
辺ABの長さ 9cm

⑧ ひし形



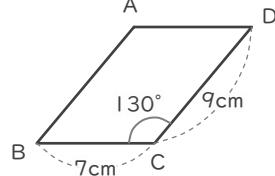
辺DAの長さ 16cm

⑨ 平行四辺形



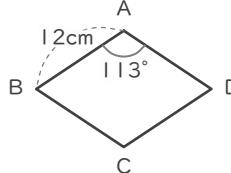
辺DAの長さ 8cm

⑩ 平行四辺形



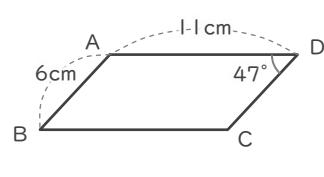
角Aの大きさ 130°

⑪ ひし形



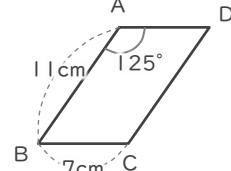
角Dの大きさ 67°

⑫ 平行四辺形



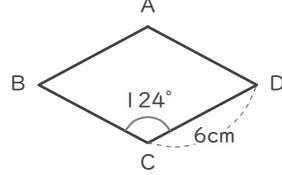
角Cの大きさ 133°

⑬ 平行四辺形



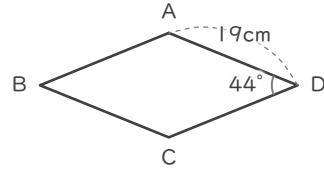
角Bの大きさ 55°

⑭ ひし形



角Dの大きさ 56°

⑮ ひし形

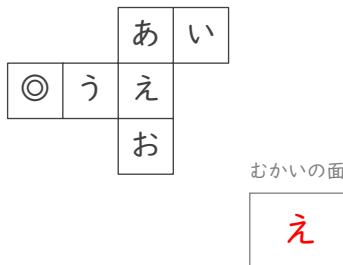


角Bの大きさ 44°

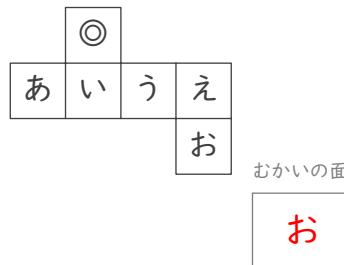


■ 次の立方体の展開図を組み立てたときに、◎のむかい(反対側)になる面を答えましょう。

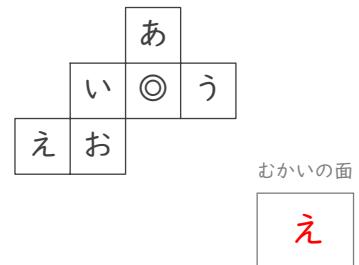
①



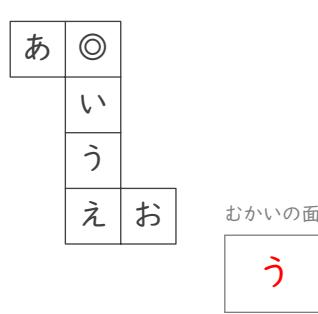
⑥



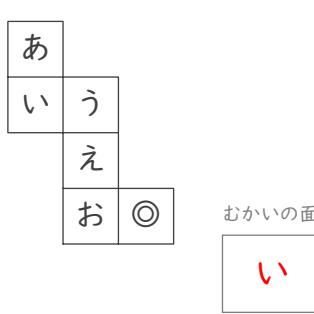
⑪



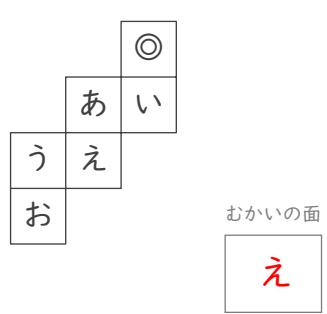
②



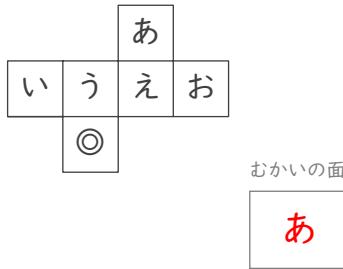
⑦



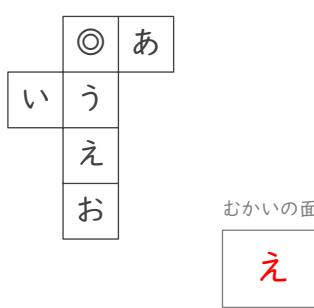
⑫



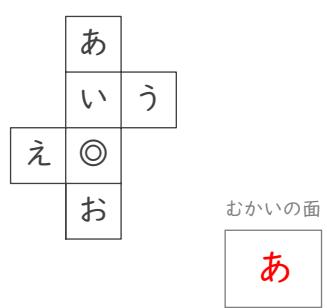
③



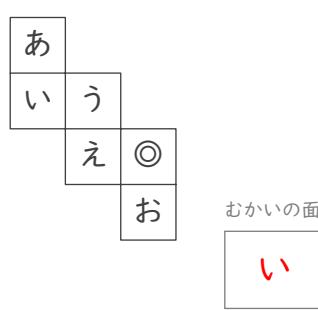
⑧



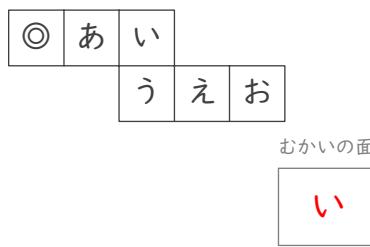
⑬



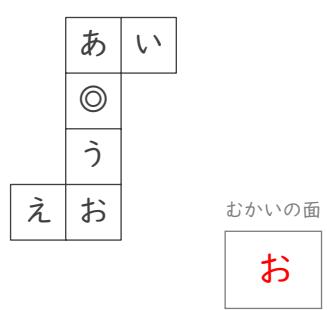
④



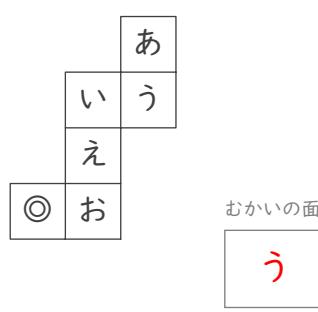
⑨



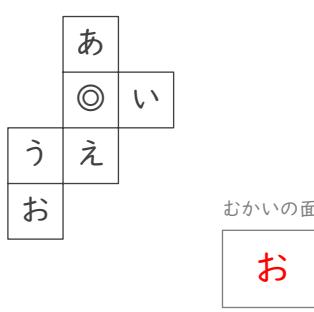
⑭



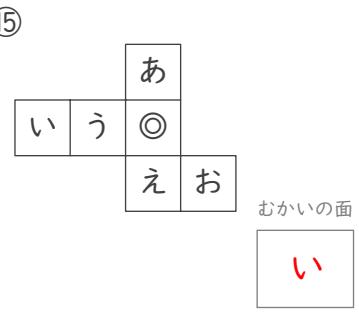
⑤



⑩



⑮

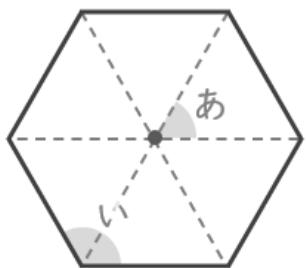




■ 次の正多角形についての問題に答えましょう。

(1) 正六角形

① あで示された角度を答えましょう。



$$360 \div 6 = 60$$

60°

② 6この角の大きさの和を答えましょう。

$$(6 - 2) \times 180 = 720$$

720°

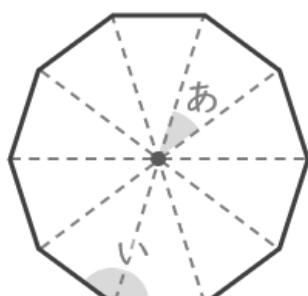
③ 1この角(いの部分)の大きさを答えましょう。

$$720 \div 6 = 120$$

120°

(2) 正十角形

④ あで示された角度を答えましょう。



$$360 \div 10 = 36$$

36°

⑤ 10この角の大きさの和を答えましょう。

$$(10 - 2) \times 180 = 1440$$

1440°

⑥ 1この角(いの部分)の大きさを答えましょう。

$$1440 \div 10 = 144$$

144°



■ 次のような円の円周を求めましょう。

① 直径 4cm の円

(式)

$$4 \times 3.14 = 12.56$$

12.56cm

② 直径 5m の円

(式)

$$5 \times 3.14 = 15.7$$

15.7m

③ 直径 7cm の円

(式)

$$7 \times 3.14 = 21.98$$

21.98cm

④ 半径 4.5cm の円

(式)

直径は9cm

$$9 \times 3.14 = 28.26$$

28.26cm

⑤ 半径 5.5m の円

(式)

直径は11m

$$11 \times 3.14 = 34.54$$

34.54m

⑥ 半径 6m の円

(式)

直径は12m

$$12 \times 3.14 = 37.68$$

37.68m



■ 次の各問いに答えましょう。

① 円周が 41cm の円の直径は約何cmですか。

四捨五入をして十分の一の位までのがい数で答えましょう。

$$41 \div 3.14 = 13.05\cdots$$

約 13.1cm

② 円周が 30m の円の直径は約何mですか。

四捨五入をして十分の一の位までのがい数で答えましょう。

$$30 \div 3.14 = 9.55\cdots$$

約 9.6m

③ 円周が 12m の円の直径は約何mですか。

四捨五入をして十分の一の位までのがい数で答えましょう。

$$12 \div 3.14 = 3.82\cdots$$

約 3.8m

④ 円周が 67cm の円の直径は約何cmですか。

四捨五入をして十分の一の位までのがい数で答えましょう。

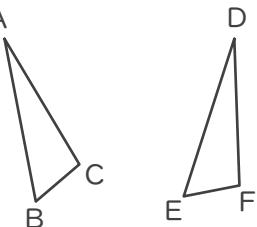
$$67 \div 3.14 = 21.33\cdots$$

約 21.3cm



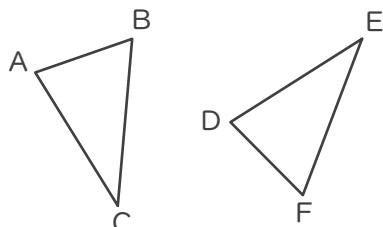
■ 合同な2つの三角形の対応する辺,角,頂点を答えましょう。

①



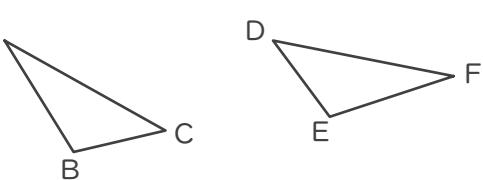
角Aに対応する角は 角 D

⑤



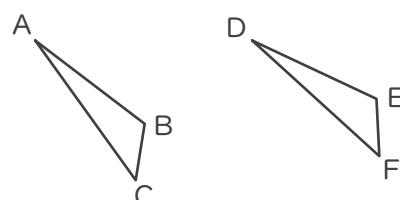
辺ACに対応する辺は 辺 DE

②



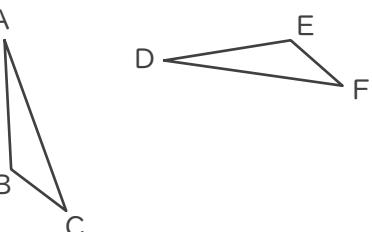
辺ABに対応する辺は 辺 FE

⑥



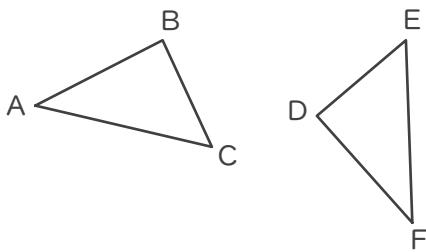
角Bに対応する角は 角 E

③



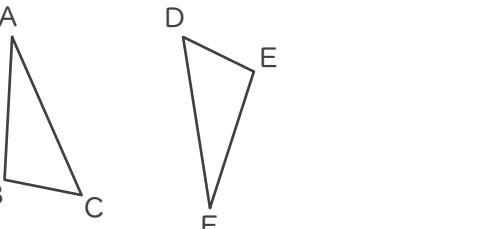
頂点Cに対応する頂点は 頂点 F

⑦



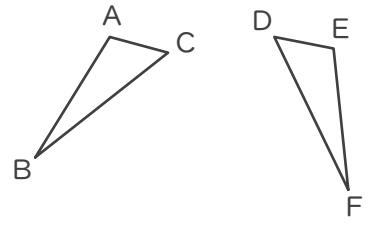
頂点Bに対応する頂点は 頂点 D

④



辺BCに対応する辺は 辺 ED

⑧



辺ACに対応する辺は 辺 ED



■ 次のアルファベットが線対称、点対称な図形であるかをそれぞれ考え、そうであれば「○」、違っていれば「×」を書きこみましょう。

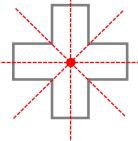
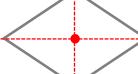
アルファベット	F	U		K
線対称	×	○	○	×
点対称	×	×	○	×

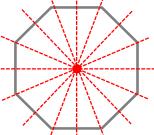
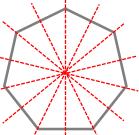
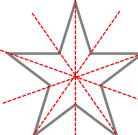
アルファベット		E		G
線対称	○	○	×	×
点対称	×	×	○	×

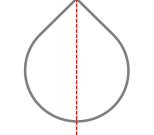
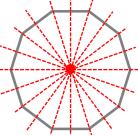
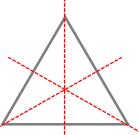
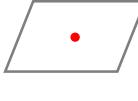
アルファベット				
線対称	○	×	○	○
点対称	×	○	×	○



■ 次の図形が線対称、点対称な図形であるかをそれぞれ考え、そうであれば「○」、違っていれば「×」を書きこみましょう。

図形				
線対称	○	○	○	○
点対称	○	○	×	○

図形				
線対称	○	○	○	○
点対称	○	○	×	×

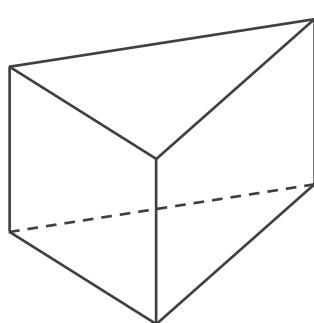
図形				
線対称	○	○	○	×
点対称	×	○	×	○



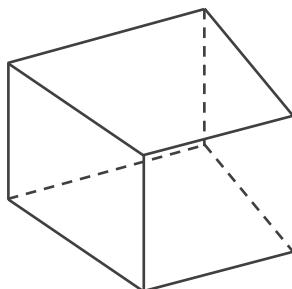
■ いろいろな角柱の底面の数、側面の数、頂点の数、辺の数を答えて表を完成させましょう。

	辺の数	頂点の数	側面の数	底面の数
三角柱	9	6	3	2
四角柱	12	8	4	2
五角柱	15	10	5	2
六角柱	18	12	6	2
八角柱	24	16	8	2

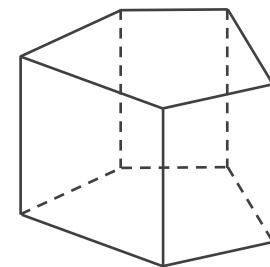
----- 折りまげてかくす -----



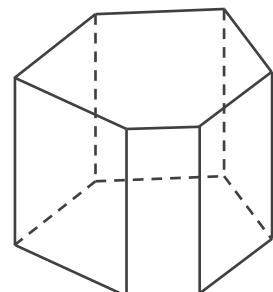
三角柱



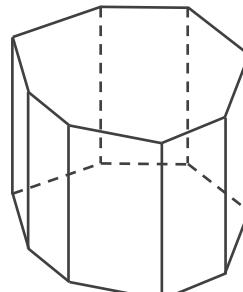
四角柱



五角柱



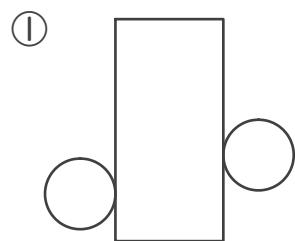
六角柱



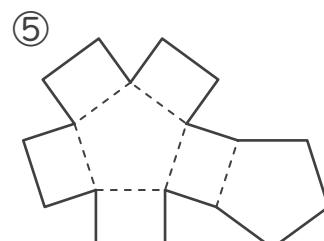
八角柱



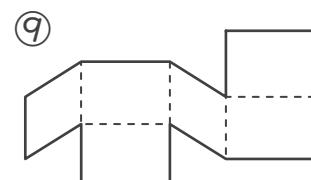
■ 次の展開図を組み立ててできる立体の名前を答えましょう。



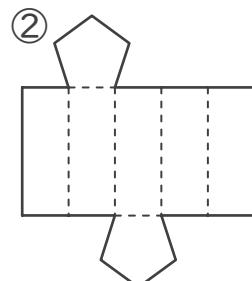
円柱



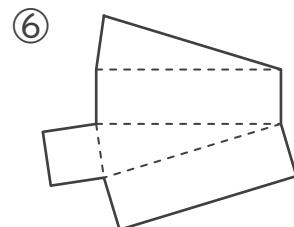
五角柱



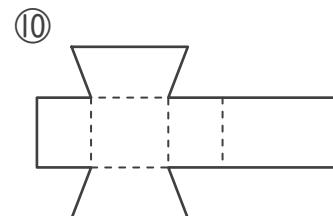
四角柱



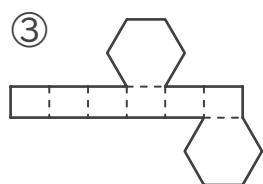
五角柱



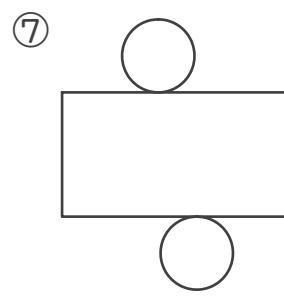
三角柱



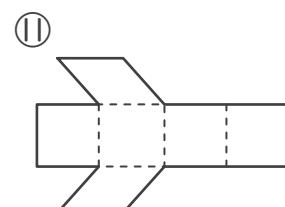
四角柱



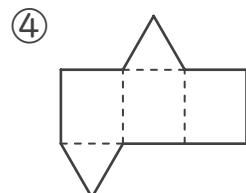
六角柱



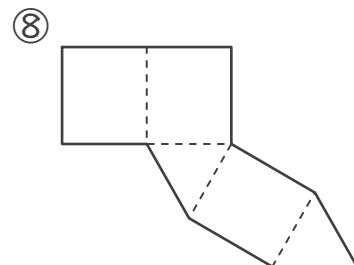
円柱



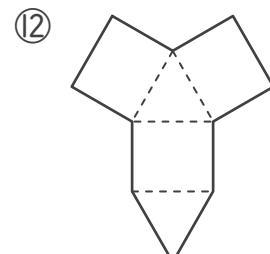
四角柱



三角柱



三角柱

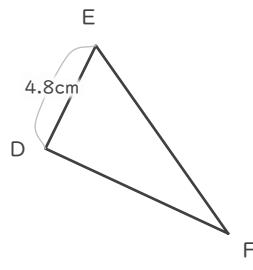
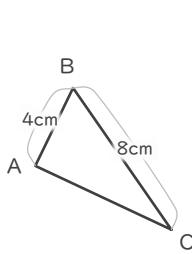


三角柱



■ 三角形DEFが三角形ABCの拡大図であるとき、指定された辺の長さを答えましょう。

① 辺EFの長さ

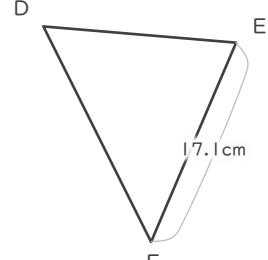
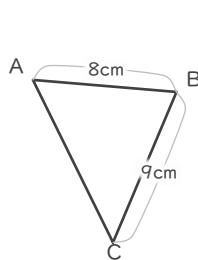


$$4.8 \div 4 = 1.2$$

$$8 \times 1.2 = 9.6$$

9.6 cm

④ 辺DEの長さ

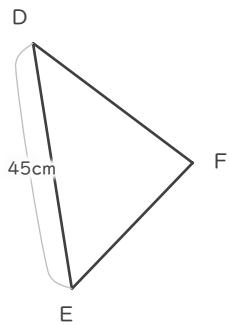
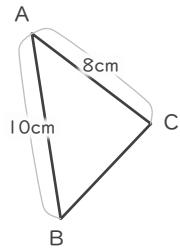


$$17.1 \div 9 = 1.9$$

$$8 \times 1.9 = 15.2$$

15.2 cm

② 辺DFの長さ

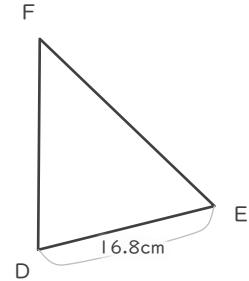
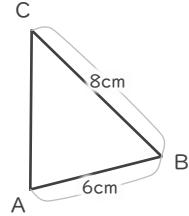


$$45 \div 10 = 4.5$$

$$8 \times 4.5 = 36$$

36 cm

⑤ 辺EFの長さ

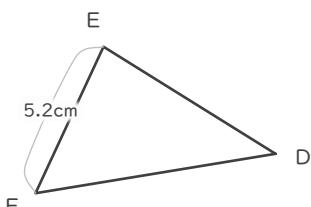
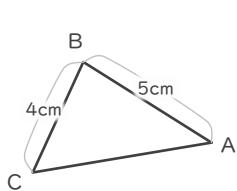


$$16.8 \div 6 = 2.8$$

$$8 \times 2.8 = 22.4$$

22.4 cm

③ 辺DEの長さ

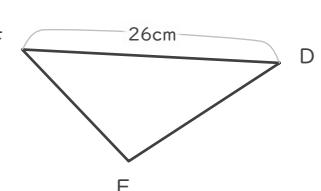
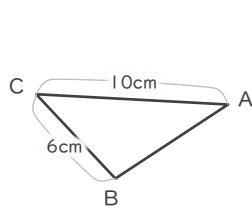


$$5.2 \div 4 = 1.3$$

$$5 \times 1.3 = 6.5$$

6.5 cm

⑥ 辺EFの長さ



$$26 \div 10 = 2.6$$

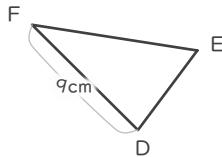
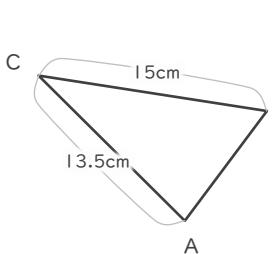
$$6 \times 2.6 = 15.6$$

15.6 cm



■ 三角形DEFが三角形ABCの縮図であるとき、指定された辺の長さを答えましょう。

① 辺EFの長さ

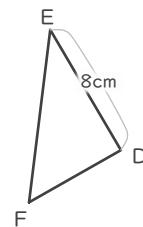
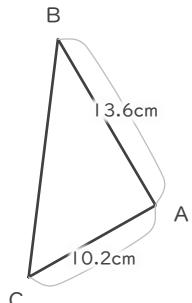


$$13.5 \div 9 = 1.5$$

$$15 \div 1.5 = 10$$

10 cm

④ 辺DFの長さ

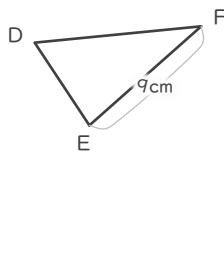
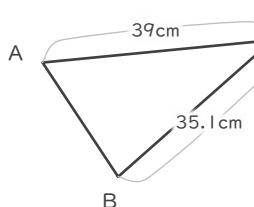


$$13.6 \div 8 = 1.7$$

$$10.2 \div 1.7 = 6$$

6 cm

② 辺DFの長さ

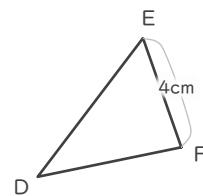
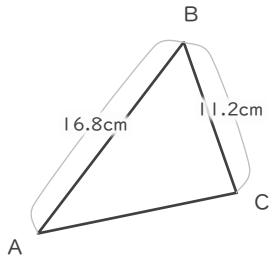


$$35.1 \div 9 = 3.9$$

$$39 \div 3.9 = 10$$

10 cm

⑤ 辺DEの長さ

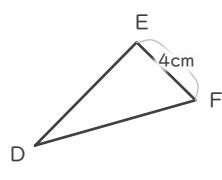
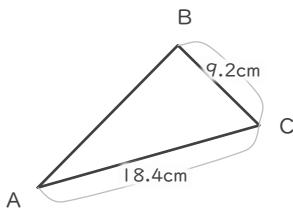


$$11.2 \div 4 = 2.8$$

$$16.8 \div 2.8 = 6$$

6 cm

③ 辺DFの長さ

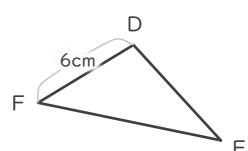
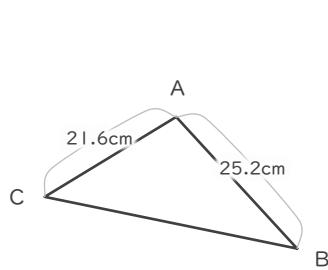


$$9.2 \div 4 = 2.3$$

$$18.4 \div 2.3 = 8$$

8 cm

⑥ 辺DEの長さ



$$21.6 \div 6 = 3.6$$

$$25.2 \div 3.6 = 7$$

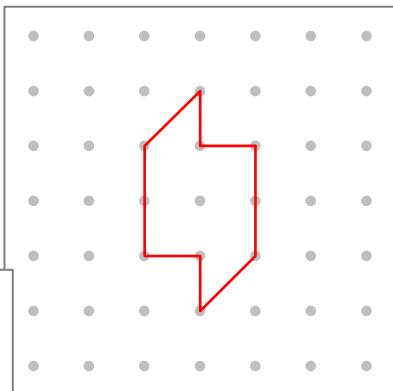
7 cm



■ お手本をまねして点をつなぎましょう。

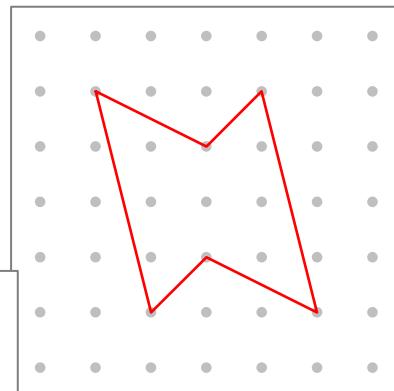
①

お手本



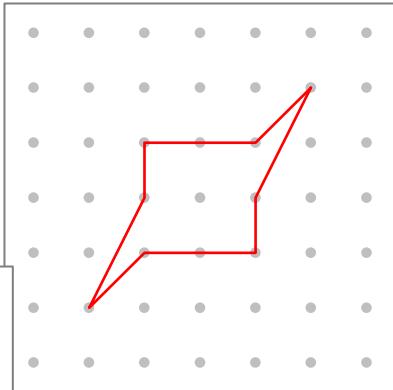
④

お手本



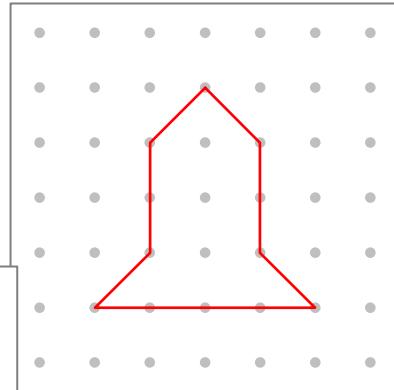
②

お手本



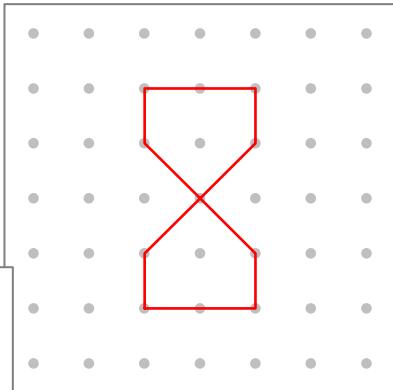
⑤

お手本



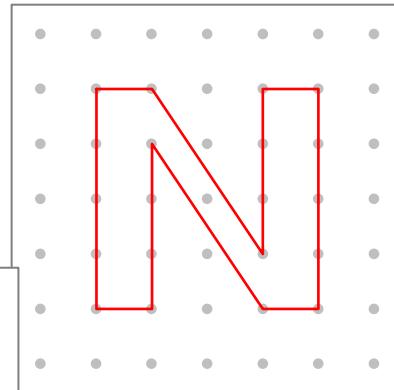
③

お手本



⑥

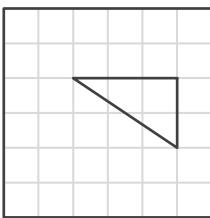
お手本



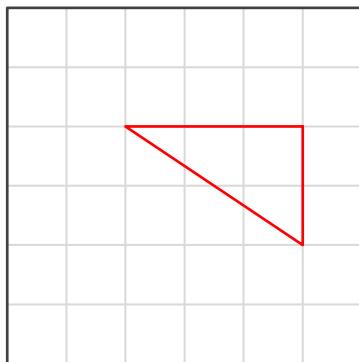


■ お手本と同じ三角形をかきましょう。

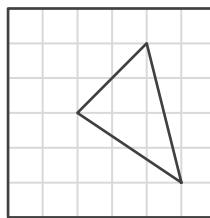
①



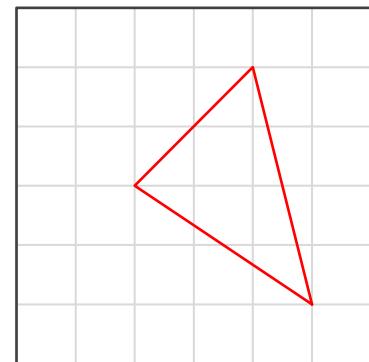
お手本



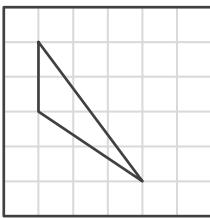
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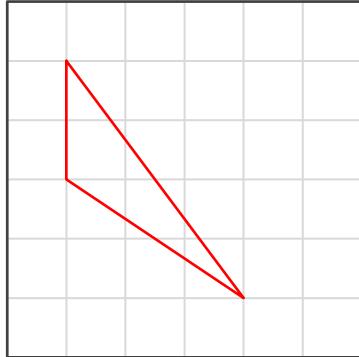
お手本



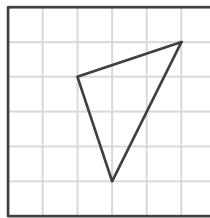
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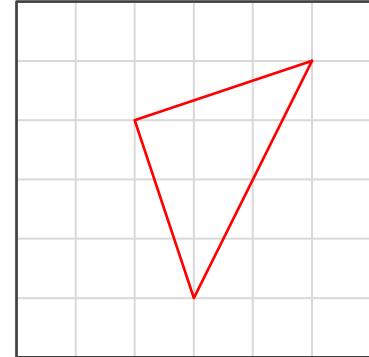
お手本



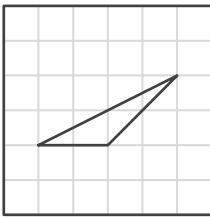
⑤



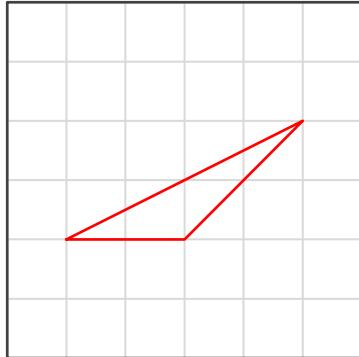
お手本



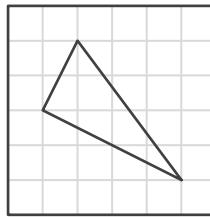
③



お手本



⑥



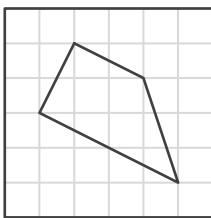
お手本



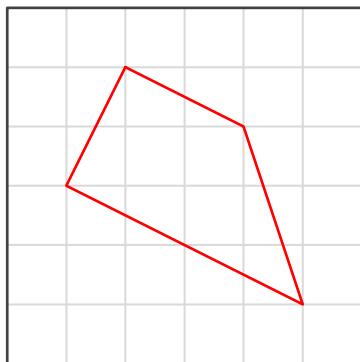


■ お手本と同じ四角形をかきましょう。

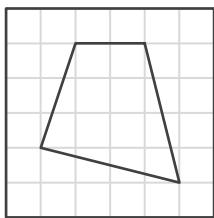
①



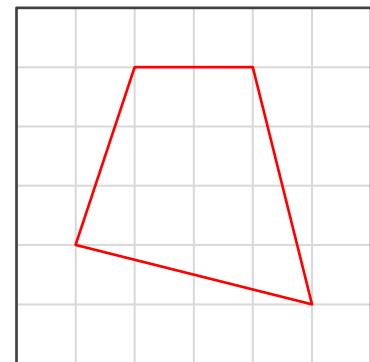
お手本



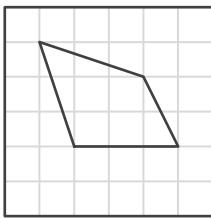
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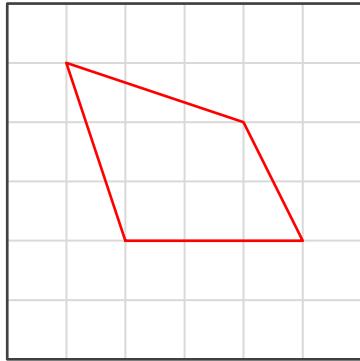
お手本



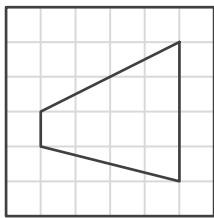
②



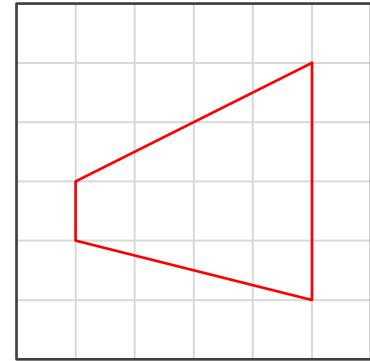
お手本



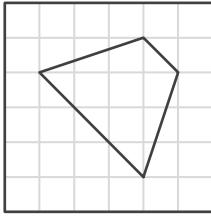
⑤



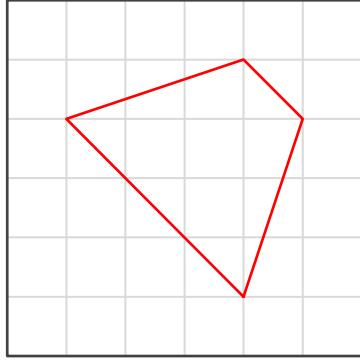
お手本



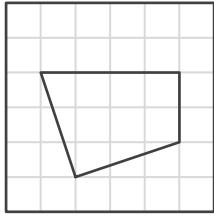
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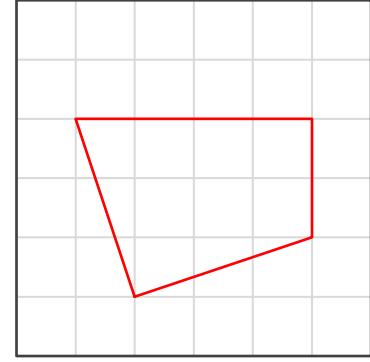
お手本



⑥



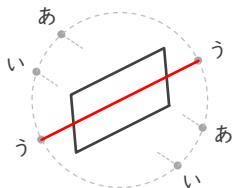
お手本



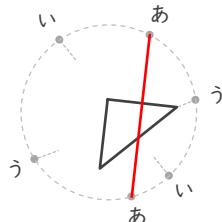


■ 指示の通りに分けられるように、あ～うのどれか1組を定規でつなぎましょう。

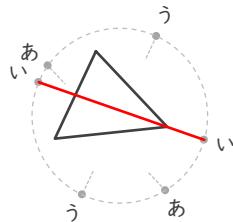
① 2つの四角形に



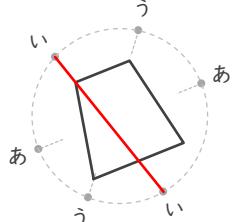
② 三角形と四角形に



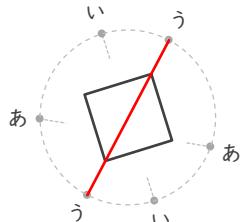
③ 2つの三角形に



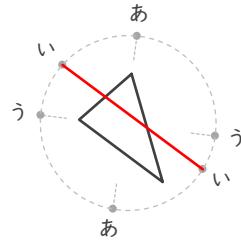
④ 三角形と四角形に



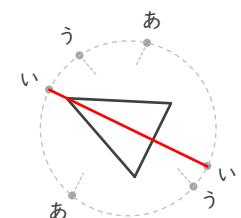
⑤ 2つの三角形に



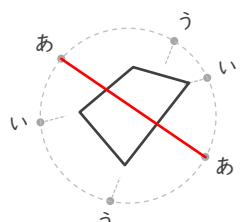
⑥ 三角形と四角形に



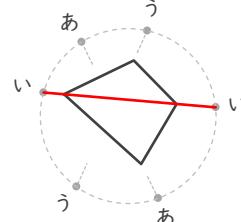
⑦ 2つの三角形に



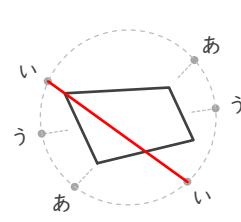
⑧ 2つの四角形に



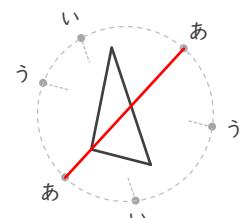
⑨ 2つの三角形に



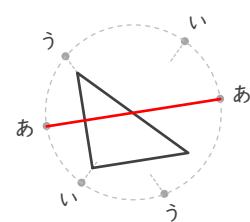
⑩ 三角形と四角形に



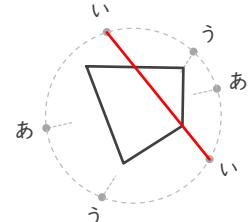
⑪ 2つの三角形に



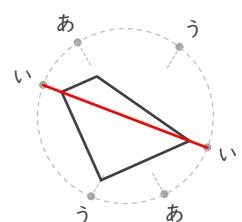
⑫ 三角形と四角形に



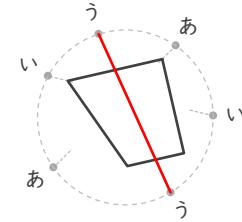
⑬ 三角形と四角形に



⑭ 2つの三角形に



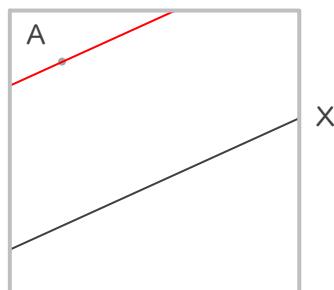
⑮ 2つの四角形に



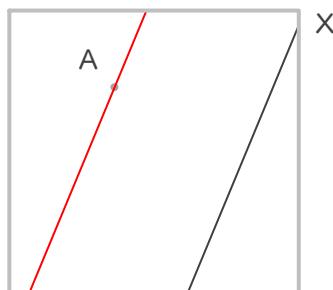


■ 点Aを通って、線Xに平行な直線をかきましょう。(三角定規を使います。)

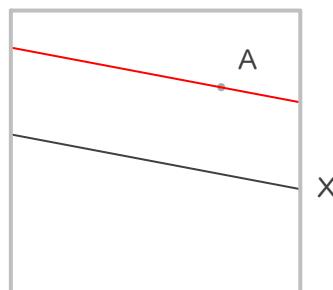
①



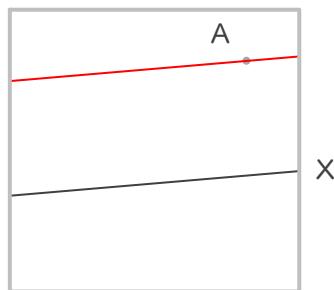
⑤



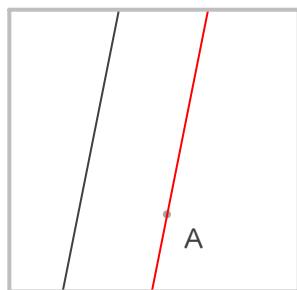
⑨



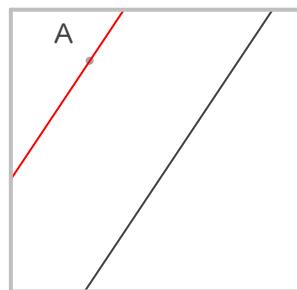
②



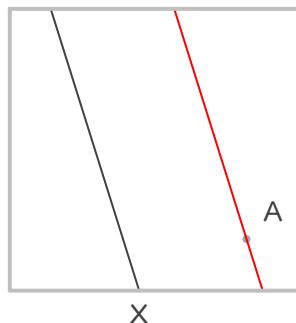
⑥



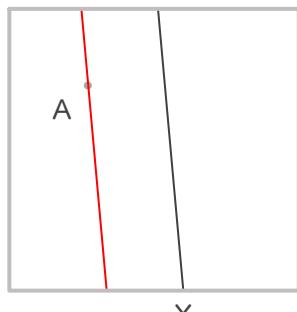
⑩



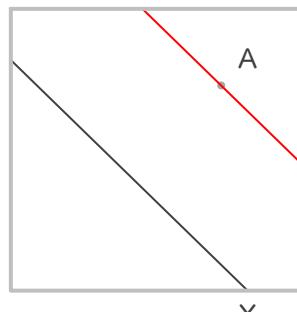
③



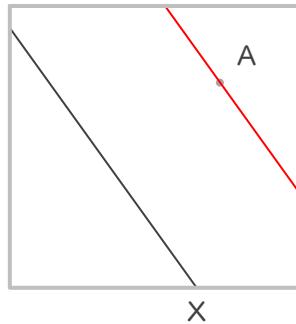
⑦



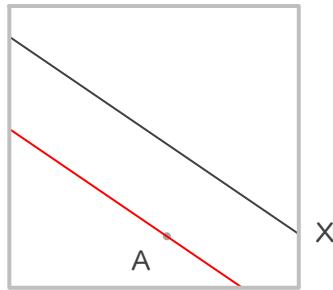
⑪



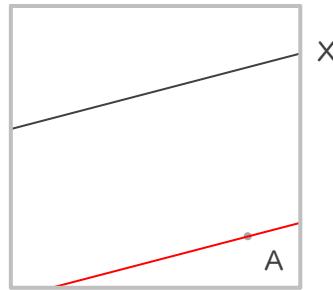
④



⑧



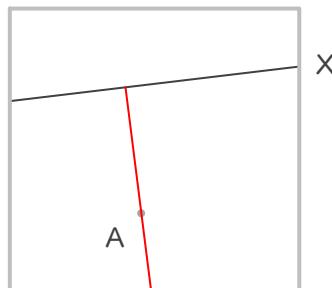
⑫



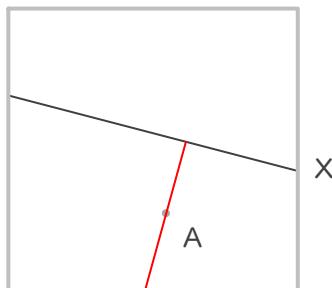


■ 点Aを通って、線Xに垂直な直線をかきましょう。(三角定規を使います。)

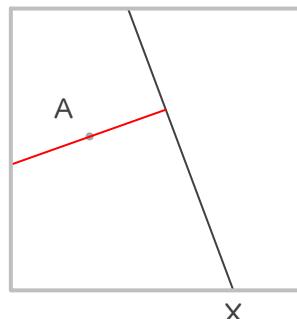
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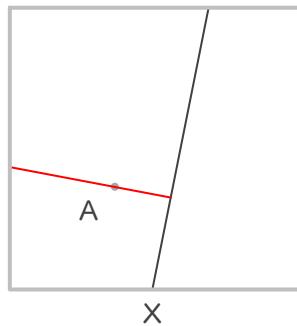
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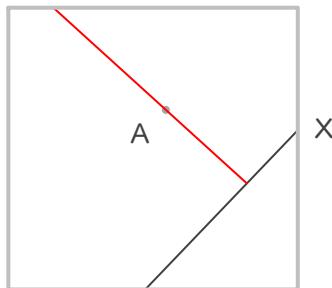
⑨



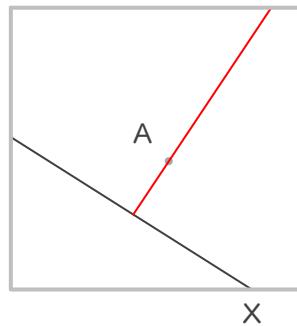
②



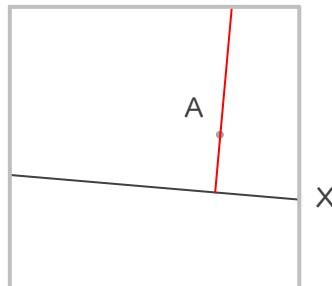
⑥



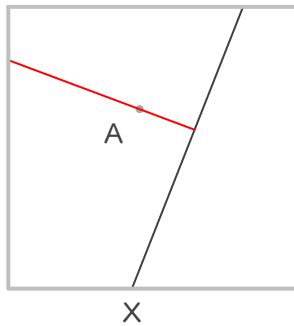
⑩



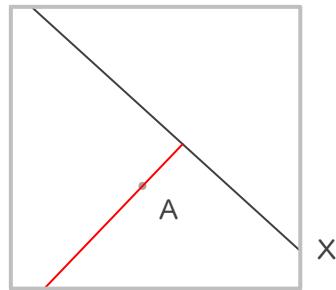
③



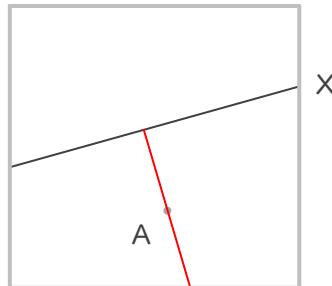
⑦



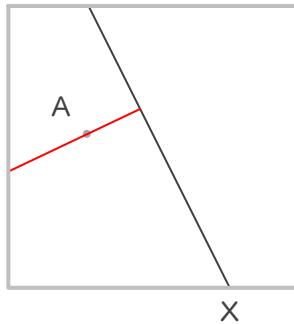
⑪



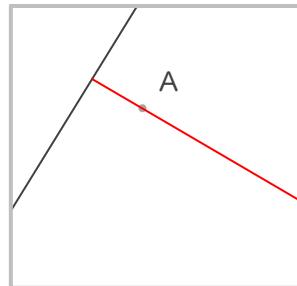
④



⑧



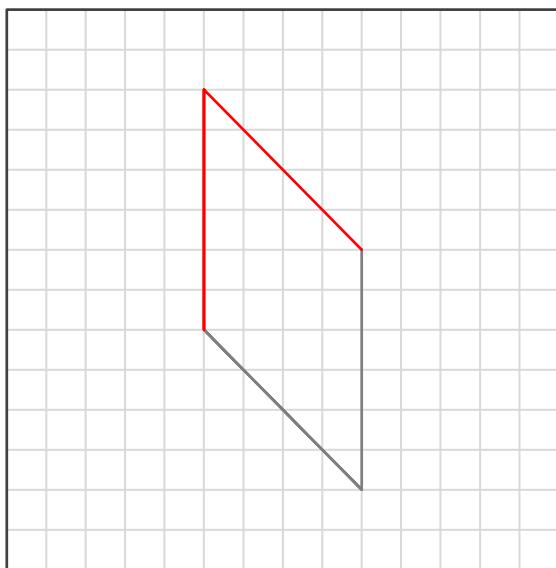
⑫



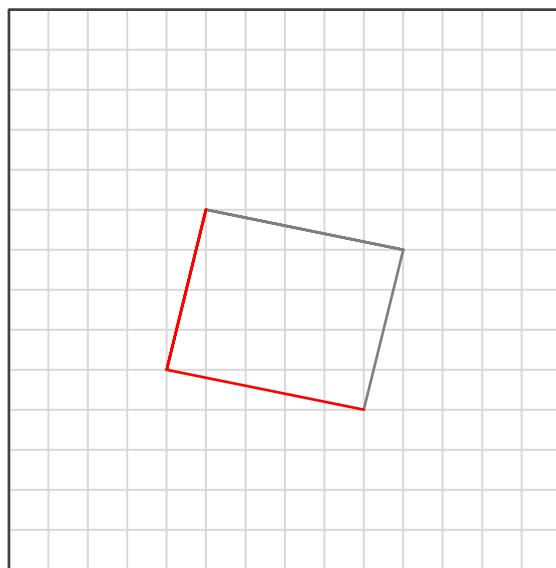


■ 示された2本の線を2辺とする平行四辺形をかきましょう。

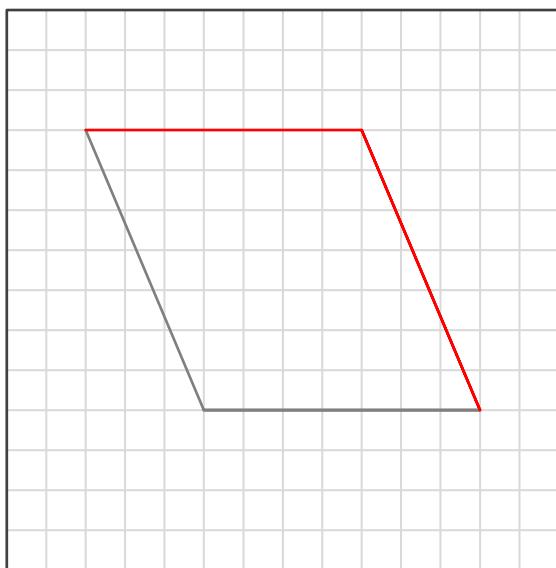
①



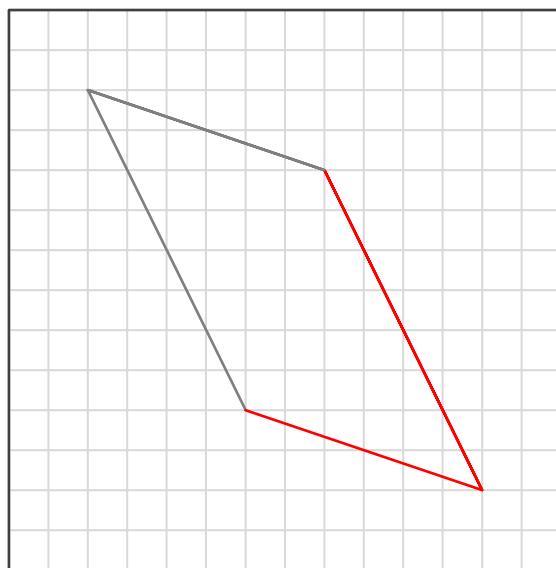
②



③



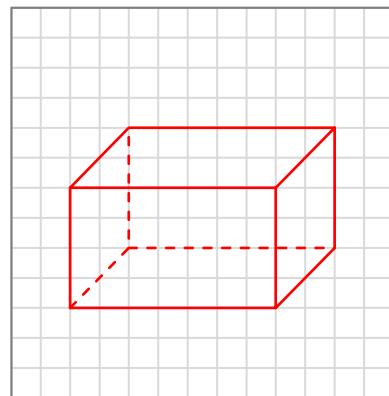
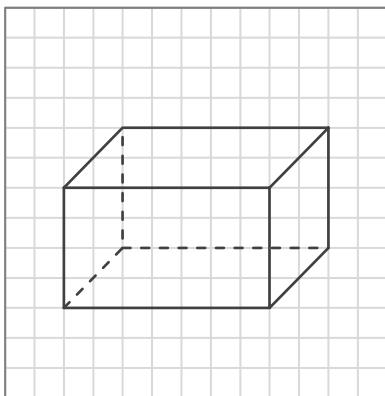
④



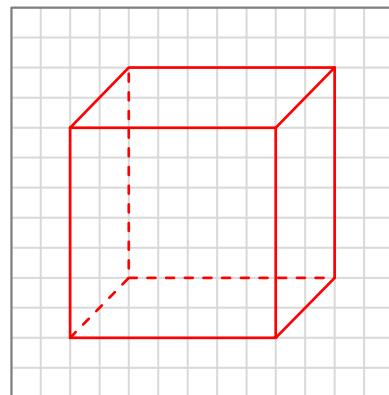
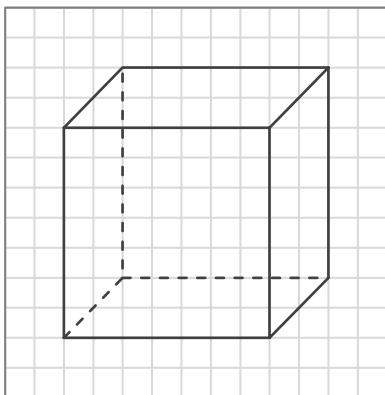


■ 直方体や立方体の見取図をかき写しましょう。

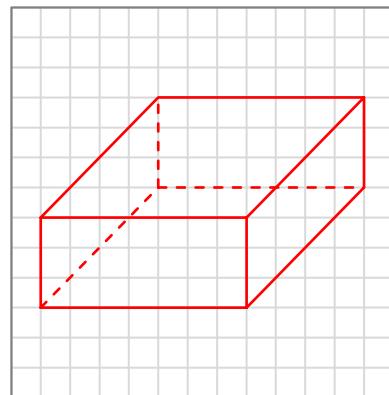
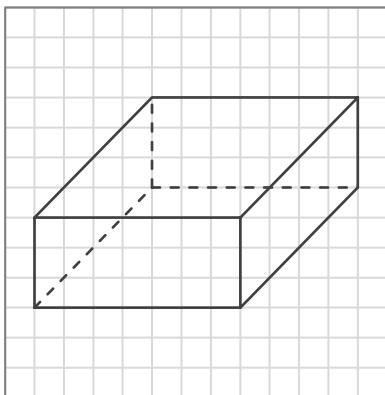
①



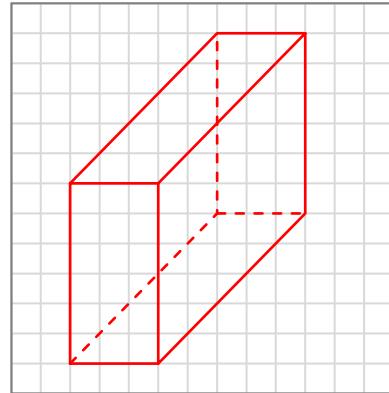
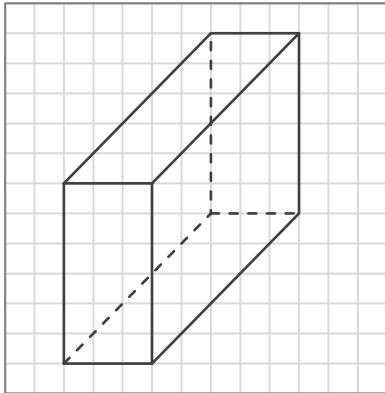
②



③



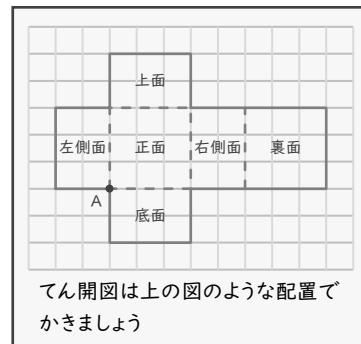
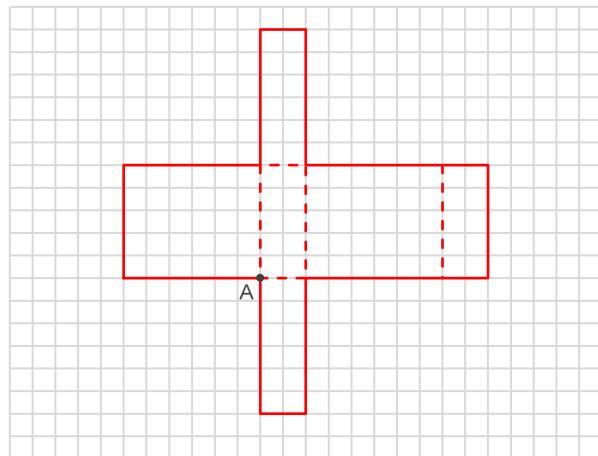
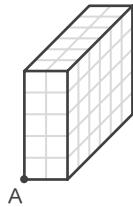
④



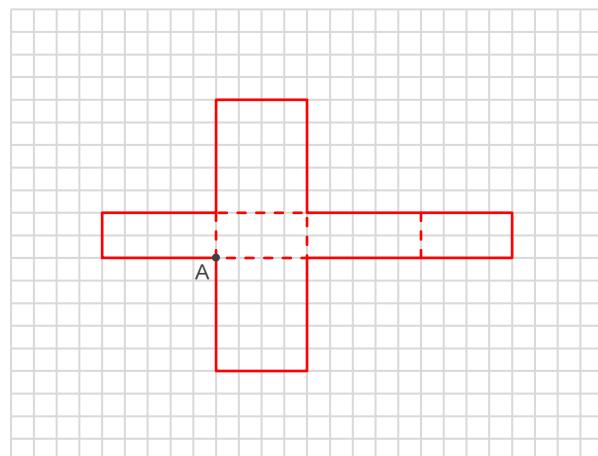
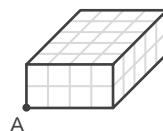


■ 直方体や立方体の見取図を見ながら、頂点Aが指定された位置にくるように、展開図をかきましょう。ただし、折れ目となる線は点線でかきましょう。

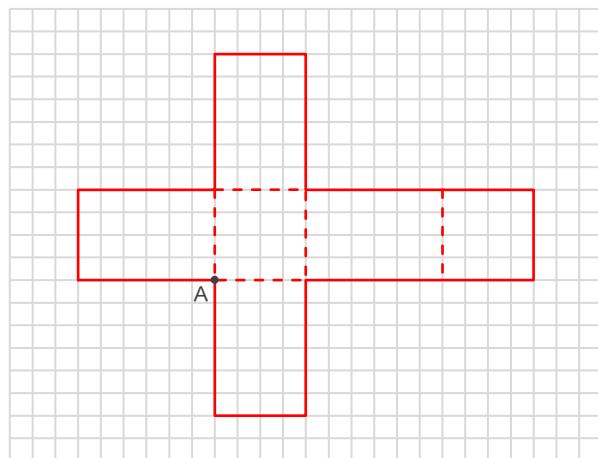
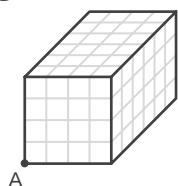
①



②



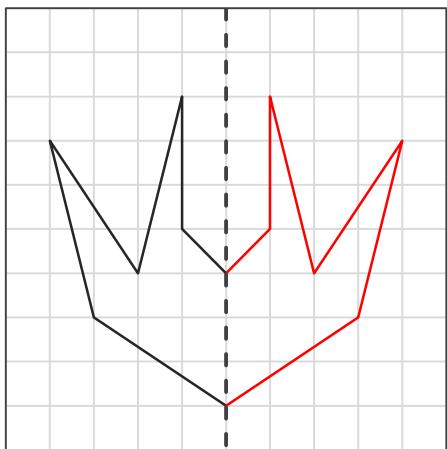
③



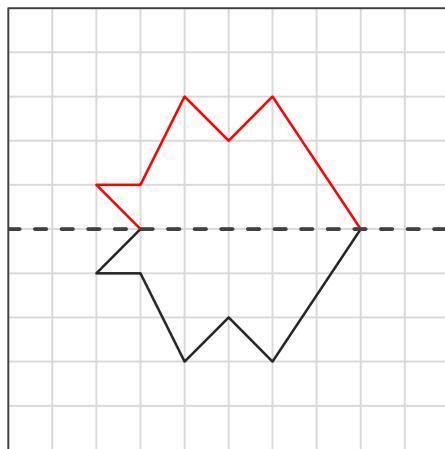


■ 点線が対称の軸となるように、線対称な図形をかきましょう。

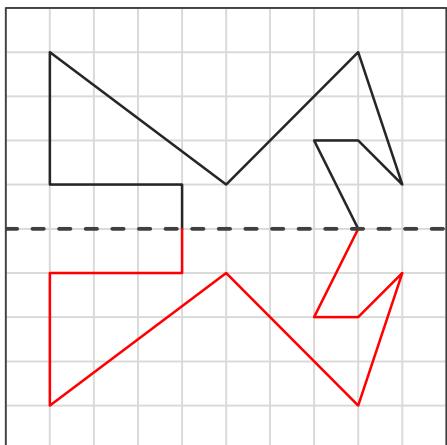
①



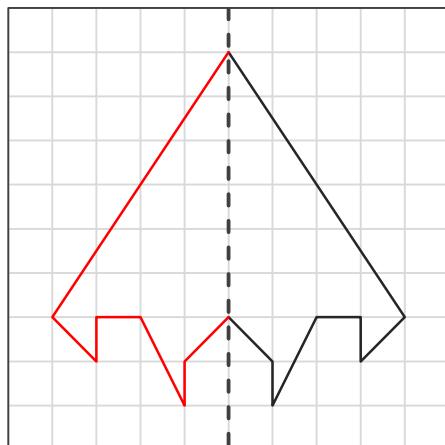
④



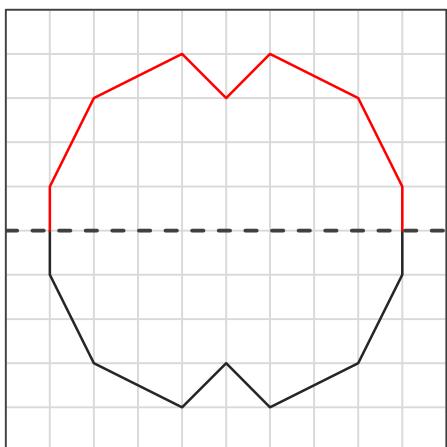
②



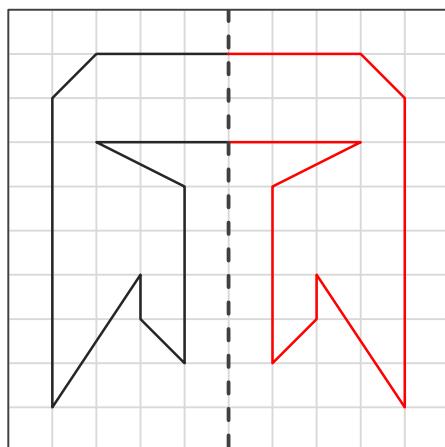
⑤



③



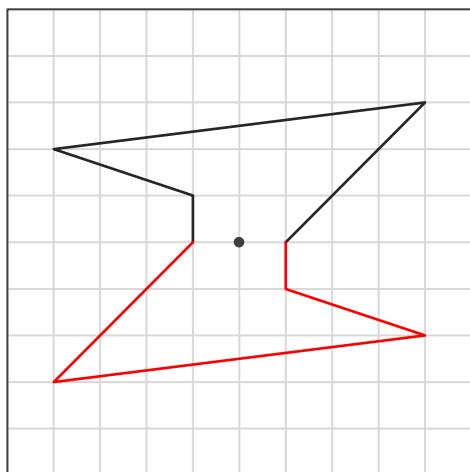
⑥



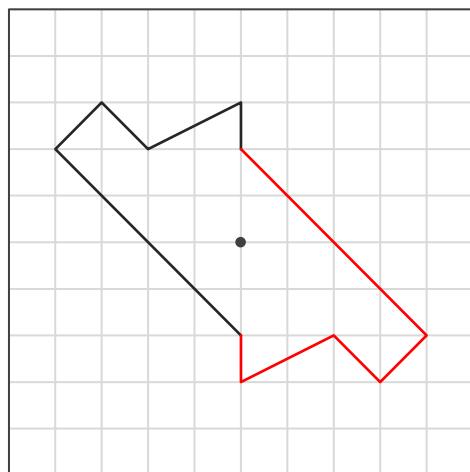


■ 点が対称の中心となるように、点対称な図形をかきましょう。

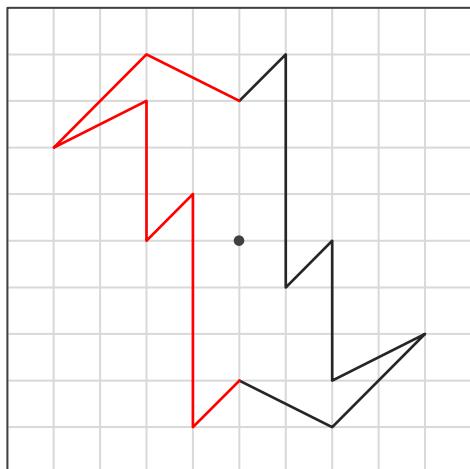
①



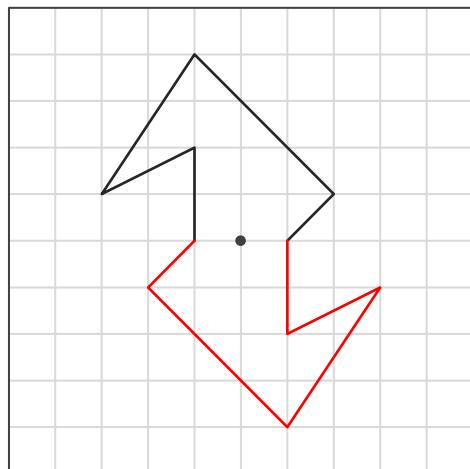
④



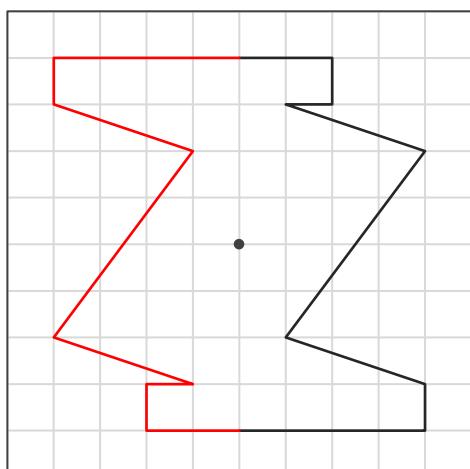
②



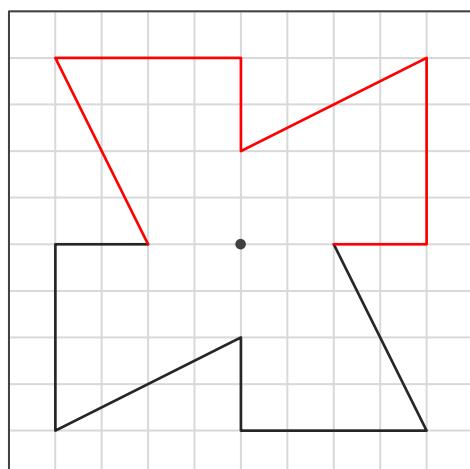
⑤



③



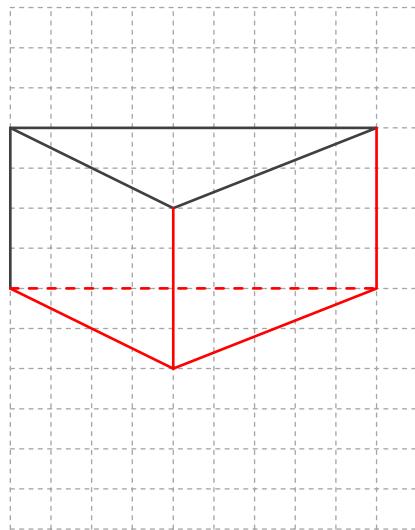
⑥



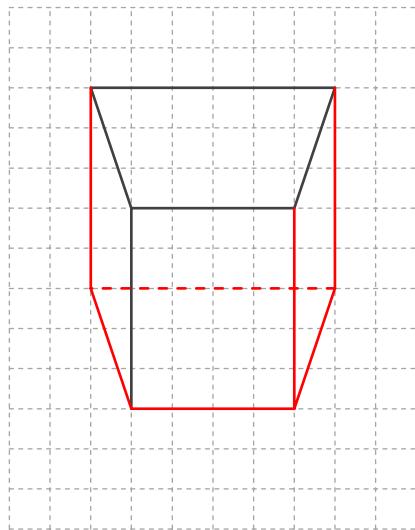


■ 角柱や円柱の見取図の続きをかきましょう。見えない線は点線でかきましょう。

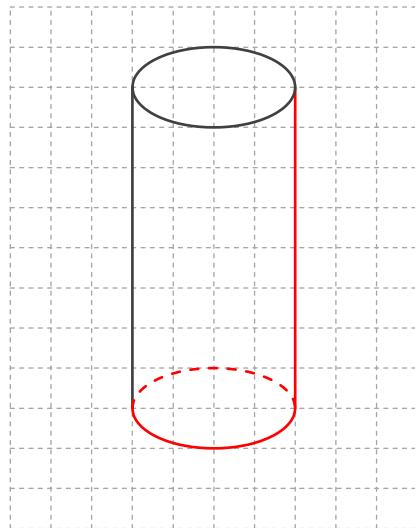
① 三角柱



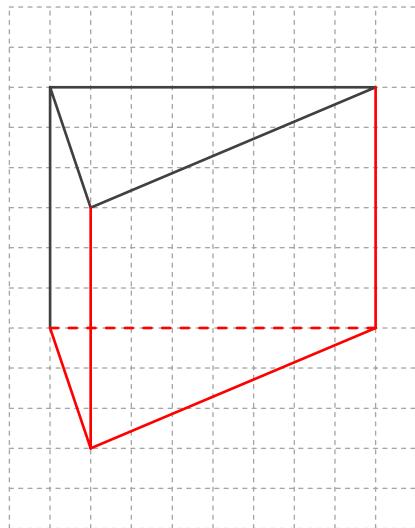
④ 四角柱



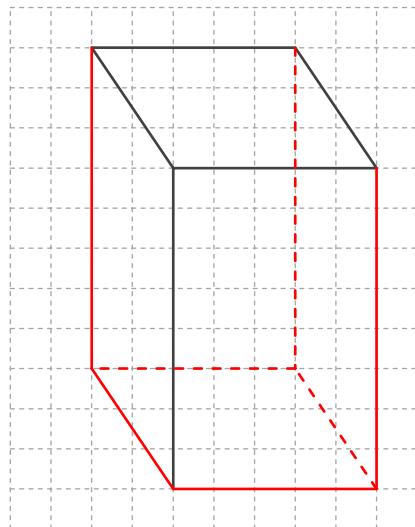
② 円柱



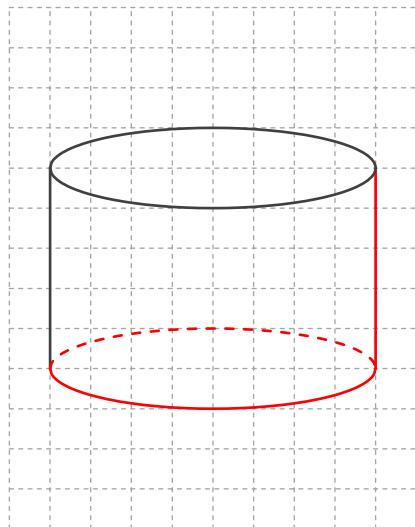
⑤ 三角柱



③ 四角柱



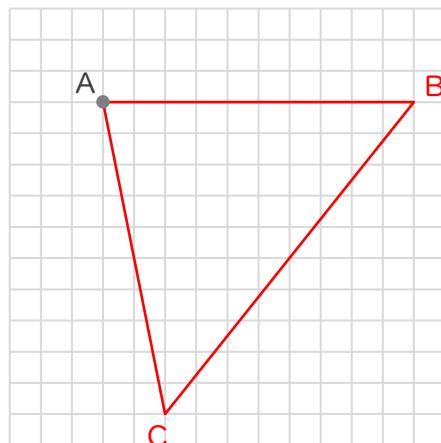
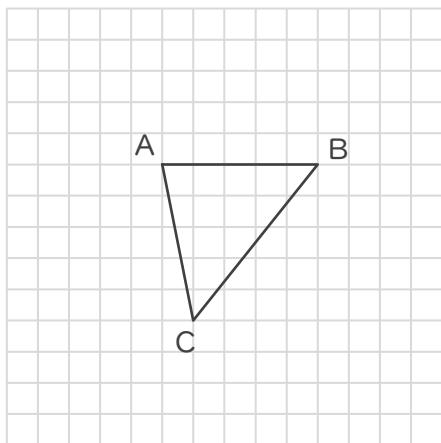
⑥ 円柱



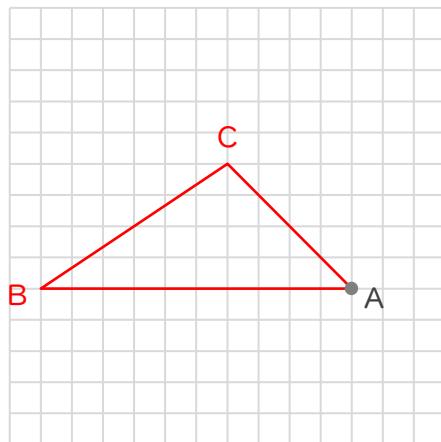
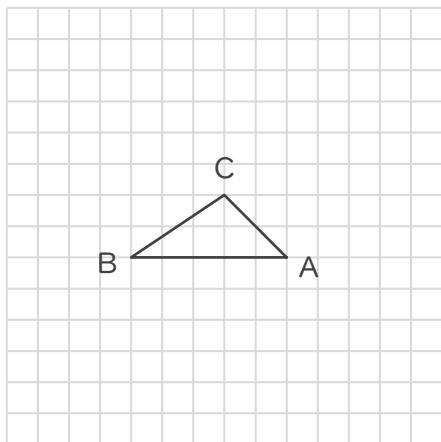


■ 頂点Aを中心として、次のような三角形の拡大図をかきましょう。

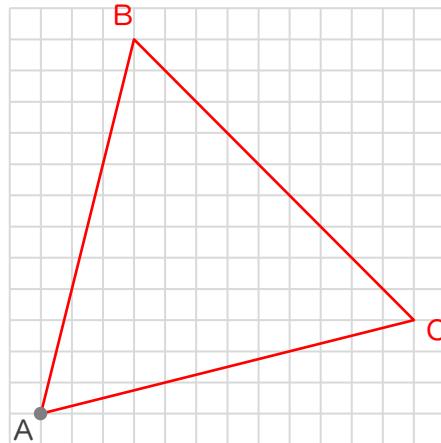
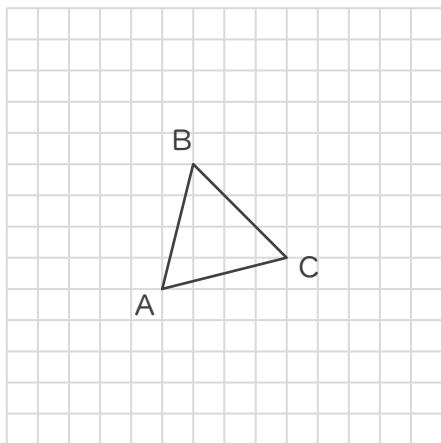
① 三角形ABCの2倍の拡大図



② 三角形ABCの2倍の拡大図



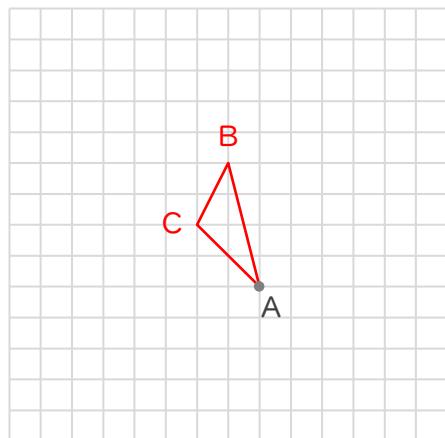
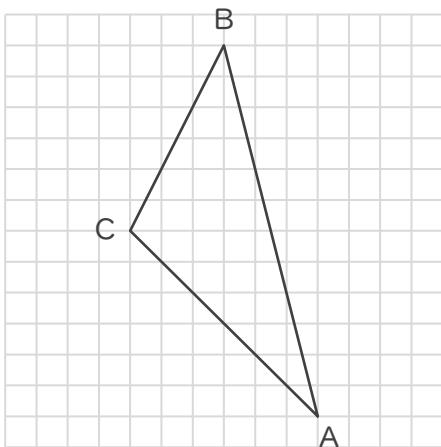
③ 三角形ABCの3倍の拡大図



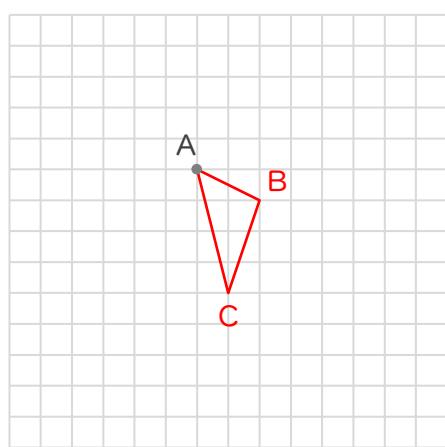
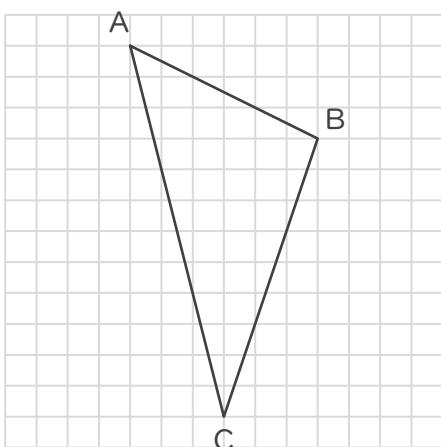


■ 頂点Aを中心として、次のような三角形の縮図をかきましょう。

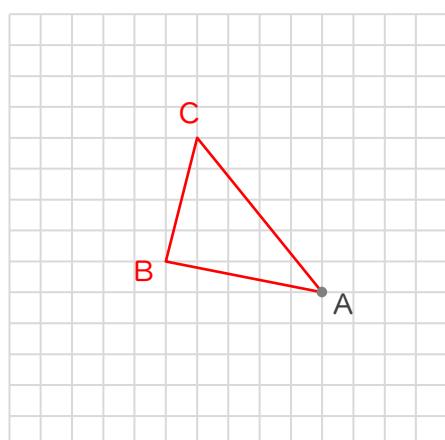
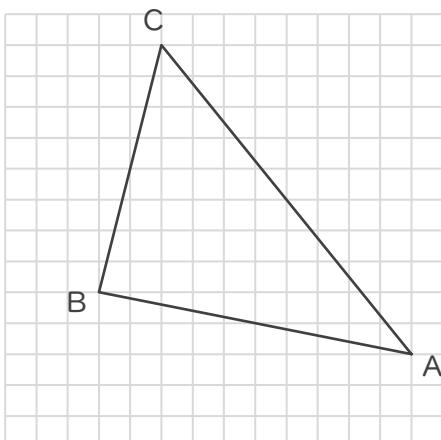
① 三角形ABCの 3分の1 の縮図



② 三角形ABCの 3分の1 の縮図



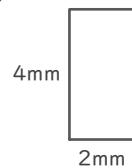
③ 三角形ABCの 2分の1 の縮図





■ 次の長方形や正方形の面積を求めましょう。

①

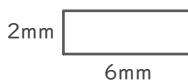


(式)

$$4 \times 2 = 8$$

$$8 \text{ mm}^2$$

⑤

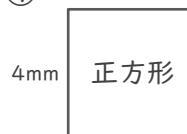


(式)

$$2 \times 6 = 12$$

$$12 \text{ mm}^2$$

⑨



(式)

$$4 \times 4 = 16$$

$$16 \text{ mm}^2$$

⑬

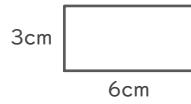


(式)

$$9 \times 3 = 27$$

$$27 \text{ cm}^2$$

②

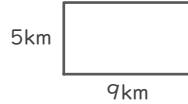


(式)

$$3 \times 6 = 18$$

$$18 \text{ cm}^2$$

⑥

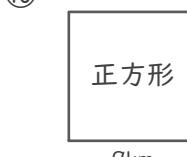


(式)

$$5 \times 9 = 45$$

$$45 \text{ km}^2$$

⑩



(式)

$$9 \times 9 = 81$$

$$81 \text{ km}^2$$

⑭

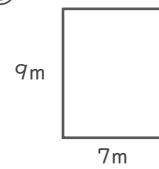


(式)

$$2 \times 7 = 14$$

$$14 \text{ km}^2$$

③



(式)

$$9 \times 7 = 63$$

$$63 \text{ m}^2$$

⑦

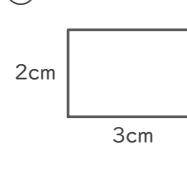


(式)

$$9 \times 2 = 18$$

$$18 \text{ cm}^2$$

⑪

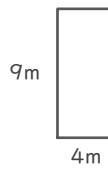


(式)

$$2 \times 3 = 6$$

$$6 \text{ cm}^2$$

⑮



(式)

$$9 \times 4 = 36$$

$$36 \text{ m}^2$$

④

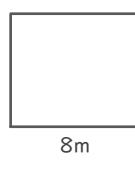


(式)

$$5 \times 2 = 10$$

$$10 \text{ km}^2$$

⑧

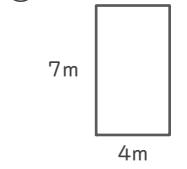


(式)

$$7 \times 8 = 56$$

$$56 \text{ m}^2$$

⑫



(式)

$$7 \times 4 = 28$$

$$28 \text{ m}^2$$

⑯



(式)

$$7 \times 7 = 49$$

$$49 \text{ mm}^2$$



■ 次の長方形や正方形の面積を求めましょう。

①



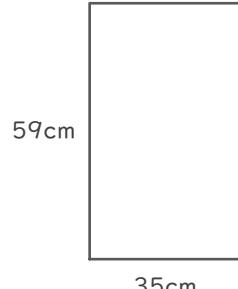
(式)

$$75 \times 32 = 2400$$

$$\begin{array}{r}
 75 \\
 \times 32 \\
 \hline
 150 \\
 225 \\
 \hline
 2400
 \end{array}$$

$$2400 \text{ m}^2$$

②



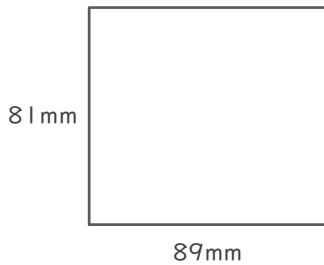
(式)

$$59 \times 35 = 2065$$

$$\begin{array}{r}
 59 \\
 \times 35 \\
 \hline
 295 \\
 177 \\
 \hline
 2065
 \end{array}$$

$$2065 \text{ cm}^2$$

③



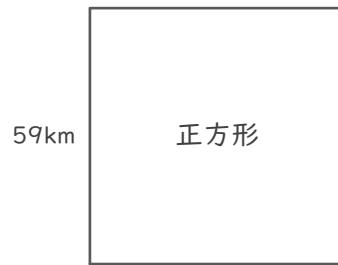
(式)

$$81 \times 89 = 7209$$

$$\begin{array}{r}
 81 \\
 \times 89 \\
 \hline
 729 \\
 648 \\
 \hline
 7209
 \end{array}$$

$$7209 \text{ mm}^2$$

④



(式)

$$59 \times 59 = 3481$$

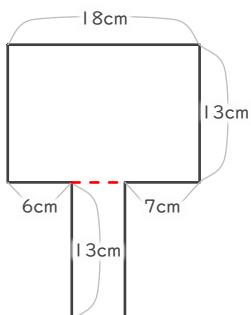
$$\begin{array}{r}
 59 \\
 \times 59 \\
 \hline
 295 \\
 531 \\
 \hline
 3481
 \end{array}$$

$$3481 \text{ km}^2$$



■ 次の図形の面積を求めましょう。

①



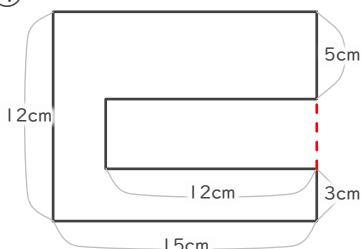
$$13 \times 18 = 234$$

$$13 \times 5 = 65$$

$$234 + 65 = 299$$

$$299 \text{ cm}^2$$

④



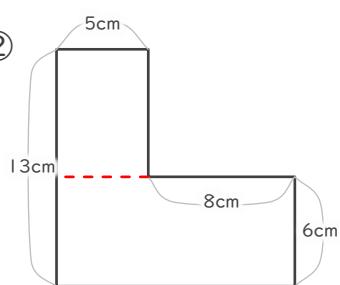
$$12 \times 15 = 180$$

$$4 \times 12 = 48$$

$$180 - 48 = 132$$

$$132 \text{ cm}^2$$

②



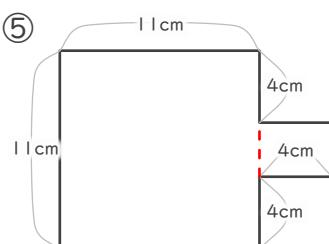
$$7 \times 5 = 35$$

$$6 \times 13 = 78$$

$$78 + 35 = 113$$

$$113 \text{ cm}^2$$

⑤



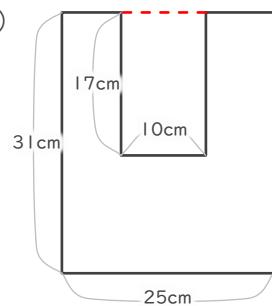
$$11 \times 11 = 121$$

$$3 \times 4 = 12$$

$$121 + 12 = 133$$

$$133 \text{ cm}^2$$

③



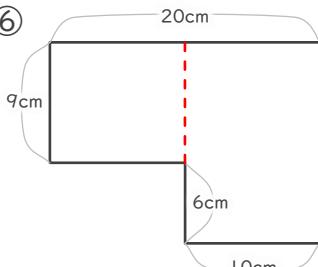
$$31 \times 25 = 775$$

$$17 \times 10 = 170$$

$$775 - 170 = 605$$

$$605 \text{ cm}^2$$

⑥



$$9 \times 10 = 90$$

$$15 \times 10 = 150$$

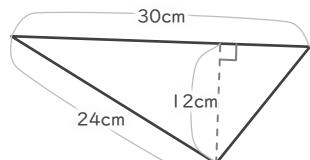
$$150 + 90 = 240$$

$$240 \text{ cm}^2$$

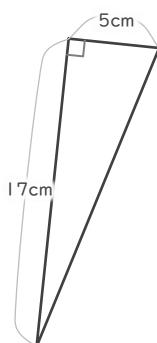


■ 次の三角形の面積を求めなさい。

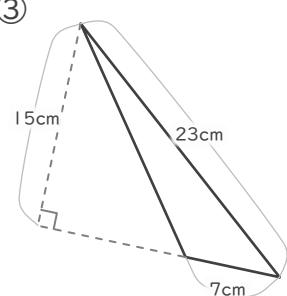
①



②



③



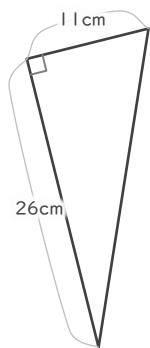
$$30 \times 12 \div 2 = 180$$

$$5 \times 17 \div 2 = 42.5$$

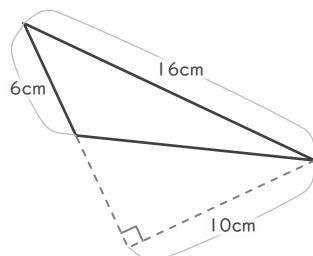
$$7 \times 15 \div 2 = 52.5$$

180 cm²42.5 cm²52.5 cm²

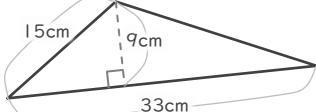
④



⑤



⑥



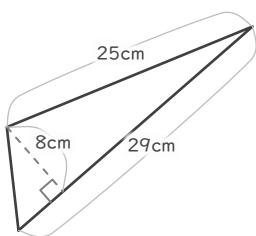
$$11 \times 26 \div 2 = 143$$

$$6 \times 10 \div 2 = 30$$

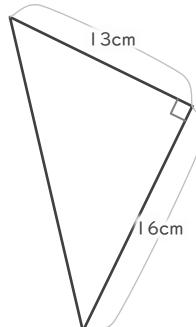
$$33 \times 9 \div 2 = 148.5$$

143 cm²30 cm²148.5 cm²

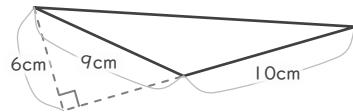
⑦



⑧



⑨



$$29 \times 8 \div 2 = 116$$

$$16 \times 13 \div 2 = 104$$

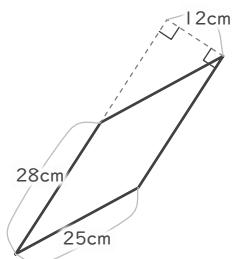
$$10 \times 6 \div 2 = 30$$

116 cm²104 cm²30 cm²



■ 次の平行四辺形の面積を求めなさい。

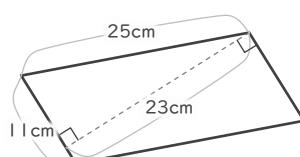
①



$$28 \times 12 = 336$$

$$336 \text{ cm}^2$$

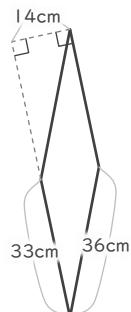
②



$$11 \times 23 = 253$$

$$253 \text{ cm}^2$$

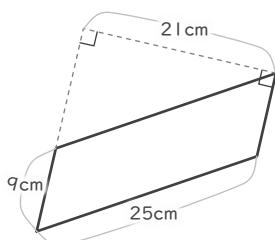
③



$$33 \times 14 = 462$$

$$462 \text{ cm}^2$$

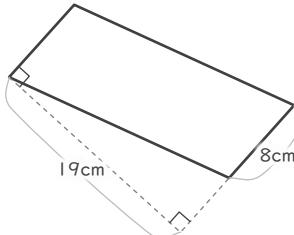
④



$$9 \times 21 = 189$$

$$189 \text{ cm}^2$$

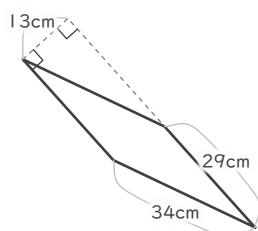
⑤



$$8 \times 19 = 152$$

$$152 \text{ cm}^2$$

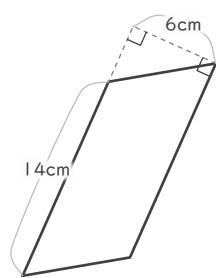
⑥



$$29 \times 13 = 377$$

$$377 \text{ cm}^2$$

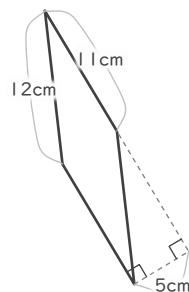
⑦



$$14 \times 6 = 84$$

$$84 \text{ cm}^2$$

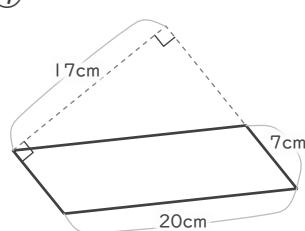
⑧



$$11 \times 5 = 55$$

$$55 \text{ cm}^2$$

⑨



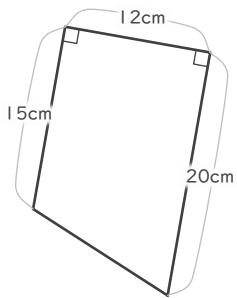
$$7 \times 17 = 119$$

$$119 \text{ cm}^2$$



■ 次の台形の面積を求めなさい。

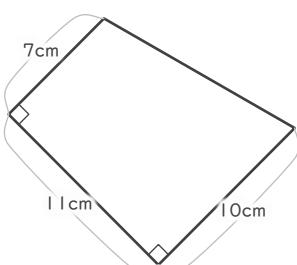
①



$$(15 + 20) \times 12 \div 2 = 210$$

$$210 \text{ cm}^2$$

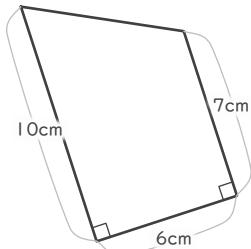
②



$$(7 + 10) \times 11 \div 2 = 93.5$$

$$93.5 \text{ cm}^2$$

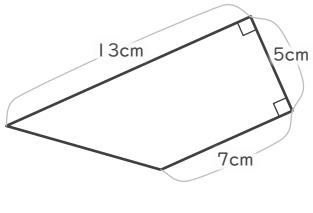
③



$$(7 + 10) \times 6 \div 2 = 51$$

$$51 \text{ cm}^2$$

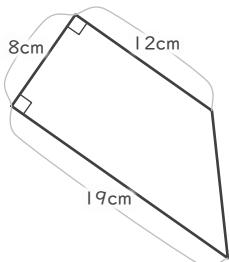
④



$$(7 + 13) \times 5 \div 2 = 50$$

$$50 \text{ cm}^2$$

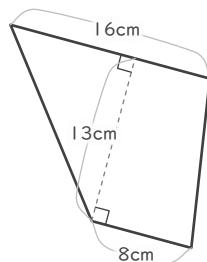
⑤



$$(12 + 19) \times 8 \div 2 = 124$$

$$124 \text{ cm}^2$$

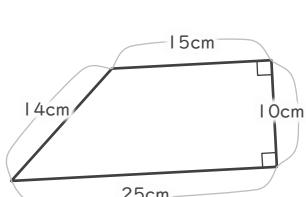
⑥



$$(8 + 16) \times 13 \div 2 = 156$$

$$156 \text{ cm}^2$$

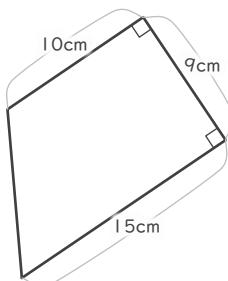
⑦



$$(15 + 25) \times 10 \div 2 = 200$$

$$200 \text{ cm}^2$$

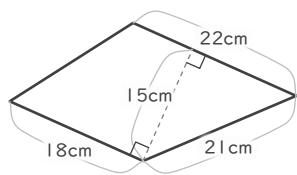
⑧



$$(10 + 15) \times 9 \div 2 = 112.5$$

$$112.5 \text{ cm}^2$$

⑨



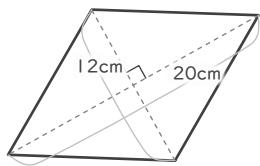
$$(18 + 22) \times 15 \div 2 = 300$$

$$300 \text{ cm}^2$$



■ 次のひし形の面積を求めなさい。

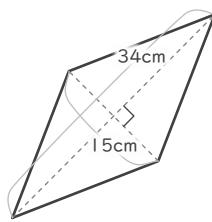
①



$$12 \times 20 \div 2 = 120$$

$$120 \text{ cm}^2$$

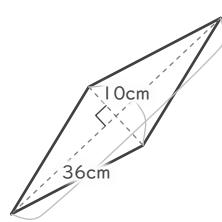
②



$$34 \times 15 \div 2 = 255$$

$$255 \text{ cm}^2$$

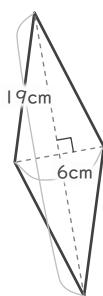
③



$$36 \times 10 \div 2 = 180$$

$$180 \text{ cm}^2$$

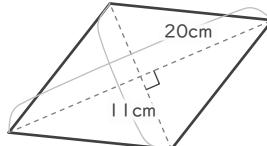
④



$$19 \times 6 \div 2 = 57$$

$$57 \text{ cm}^2$$

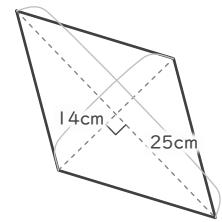
⑤



$$20 \times 11 \div 2 = 110$$

$$110 \text{ cm}^2$$

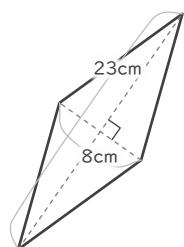
⑥



$$25 \times 14 \div 2 = 175$$

$$175 \text{ cm}^2$$

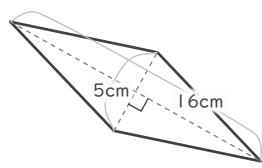
⑦



$$23 \times 8 \div 2 = 92$$

$$92 \text{ cm}^2$$

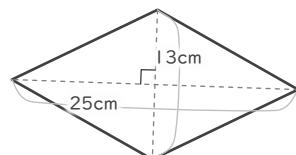
⑧



$$16 \times 5 \div 2 = 40$$

$$40 \text{ cm}^2$$

⑨



$$25 \times 13 \div 2 = 162.5$$

$$162.5 \text{ cm}^2$$



■ 次のような円の面積を求めましょう。

① 半径 2cm の円

(式)

$$2 \times 2 \times 3.14 = 12.56$$

$$12.56\text{cm}^2$$

② 直径 6m の円

(式)

半径は3m

$$3 \times 3 \times 3.14 = 28.26$$

$$28.26\text{m}^2$$

③ 直径 10cm の円

(式)

半径は5cm

$$5 \times 5 \times 3.14 = 78.5$$

$$78.5\text{cm}^2$$

④ 半径 8cm の円

(式)

$$8 \times 8 \times 3.14 = 200.96$$

$$200.96\text{cm}^2$$

⑤ 半径 9m の円

(式)

$$9 \times 9 \times 3.14 = 254.34$$

$$254.34\text{m}^2$$

⑥ 直径 24cm の円

(式)

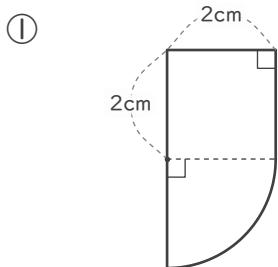
半径は12cm

$$12 \times 12 \times 3.14 = 452.16$$

$$452.16\text{cm}^2$$



■ 半円やおうぎ型、正方形を組み合わせてできている次の図形の面積を答えましょう。



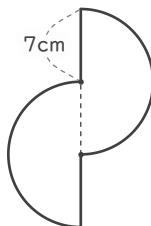
$$2 \times 2 \times 3.14 \div 4 = 3.14$$

$$2 \times 2 = 4$$

$$3.14 + 4 = 7.14$$

$$7.14 \text{ cm}^2$$

②



$$7 \times 7 \times 3.14 = 153.86$$

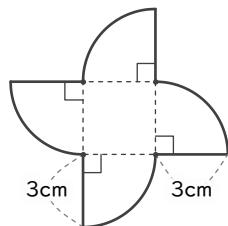
$$3 \times 3 \times 3.14 = 28.26$$

$$3 \times 3 = 9$$

$$28.26 + 9 = 37.26$$

$$153.86 \text{ cm}^2$$

③



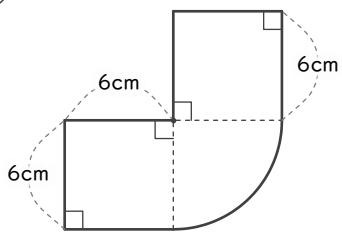
$$3 \times 3 \times 3.14 = 28.26$$

$$3 \times 3 = 9$$

$$28.26 + 9 = 37.26$$

$$37.26 \text{ cm}^2$$

④



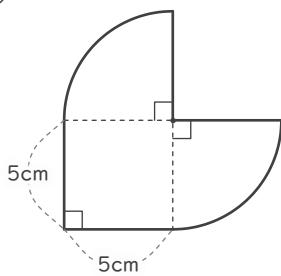
$$6 \times 6 \times 3.14 \div 4 = 28.26$$

$$6 \times 6 \times 2 = 72$$

$$28.26 + 72 = 100.26$$

$$100.26 \text{ cm}^2$$

⑤



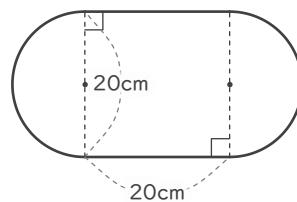
$$5 \times 5 \times 3.14 \div 2 = 39.25$$

$$5 \times 5 = 25$$

$$39.25 + 25 = 64.25$$

$$64.25 \text{ cm}^2$$

⑥



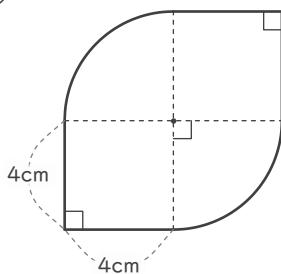
$$10 \times 10 \times 3.14 = 314$$

$$20 \times 20 = 400$$

$$314 + 400 = 714$$

$$714 \text{ cm}^2$$

⑦



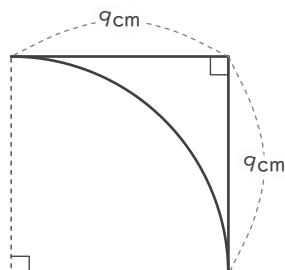
$$4 \times 4 \times 3.14 \div 2 = 25.12$$

$$4 \times 4 \times 2 = 32$$

$$25.12 + 32 = 57.12$$

$$57.12 \text{ cm}^2$$

⑧



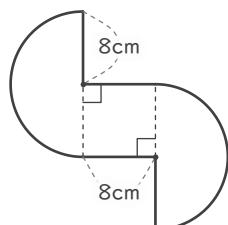
$$9 \times 9 = 81$$

$$9 \times 9 \times 3.14 \div 4 = 63.585$$

$$81 - 63.585 = 17.415$$

$$17.415 \text{ cm}^2$$

⑨



$$8 \times 8 \times 3.14 = 200.96$$

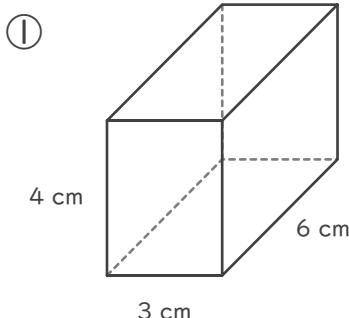
$$8 \times 8 = 64$$

$$200.96 + 64 = 264.96$$

$$264.96 \text{ cm}^2$$

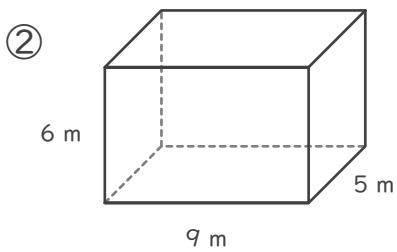


■ 次の直方体や立方体の体積を求めましょう。



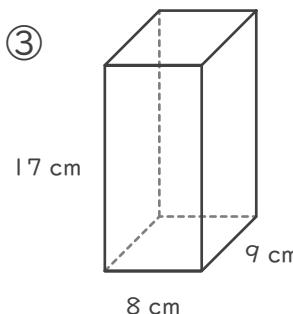
$$6 \times 3 \times 4 = 72$$

$$72 \text{ cm}^3$$



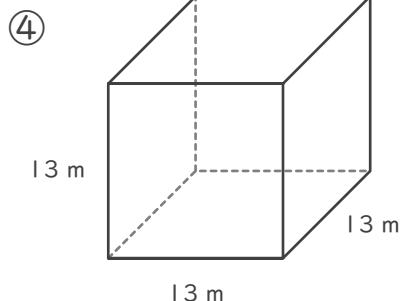
$$5 \times 9 \times 6 = 270$$

$$270 \text{ m}^3$$



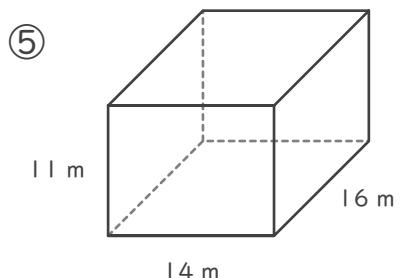
$$9 \times 8 \times 17 = 1224$$

$$1224 \text{ cm}^3$$



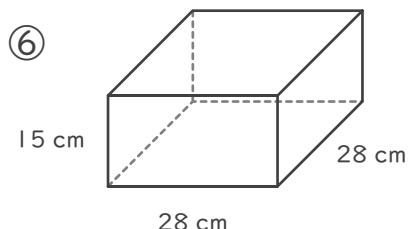
$$13 \times 13 \times 13 = 2197$$

$$2197 \text{ m}^3$$



$$16 \times 14 \times 11 = 2464$$

$$2464 \text{ m}^3$$



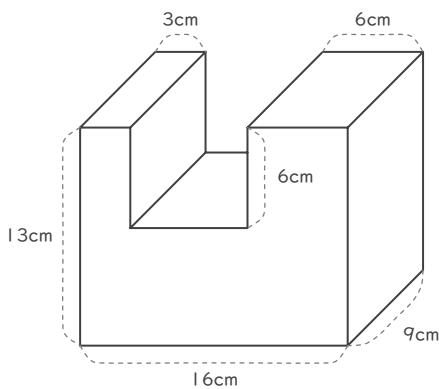
$$28 \times 28 \times 15 = 11760$$

$$11760 \text{ cm}^3$$



■ 次の立体の体積を求めましょう。

①



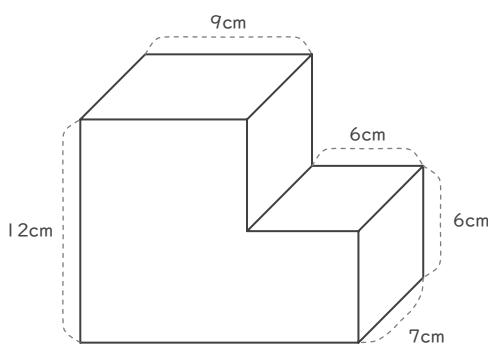
$$16 \times 9 \times 13 = 1872$$

$$7 \times 9 \times 6 = 378$$

$$1872 - 378 = 1494$$

1494 cm³

③



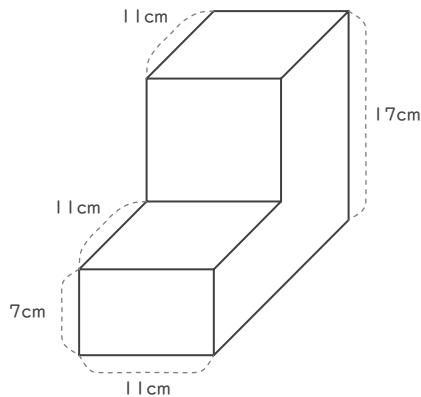
$$9 \times 7 \times 12 = 756$$

$$6 \times 7 \times 6 = 252$$

$$756 + 252 = 1008$$

1008 cm³

②



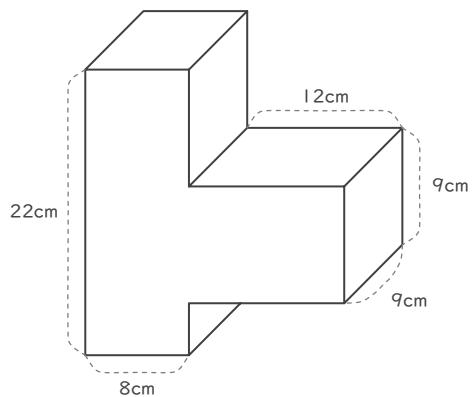
$$11 \times 22 \times 7 = 1694$$

$$11 \times 11 \times 10 = 1210$$

$$1694 + 1210 = 2904$$

2904 cm³

④



$$8 \times 9 \times 22 = 1584$$

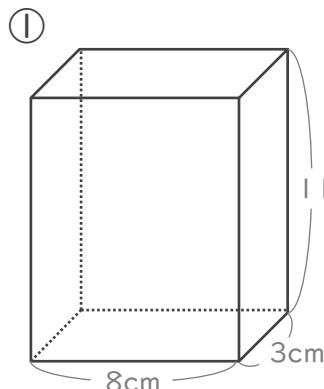
$$12 \times 9 \times 9 = 972$$

$$1584 + 972 = 2556$$

2556 cm³

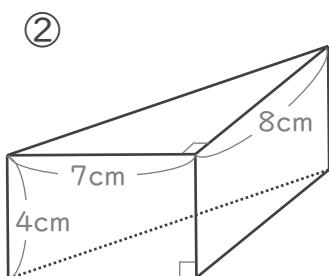


■ 次の角柱や円柱の体積を求めましょう。



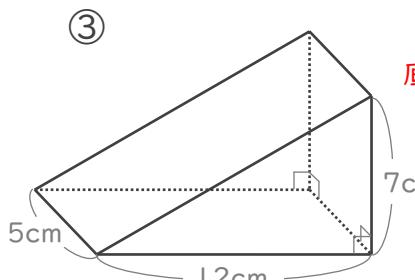
底面積
 $8 \times 3 = 24$
 $24 \times 11 = 264$

264 cm³



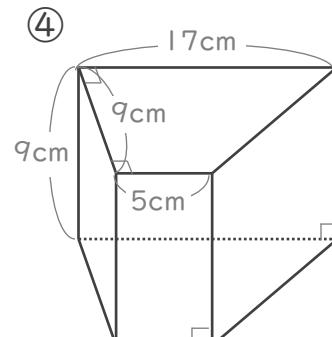
底面積
 $7 \times 8 \div 2 = 28$
 $28 \times 4 = 112$

112 cm³



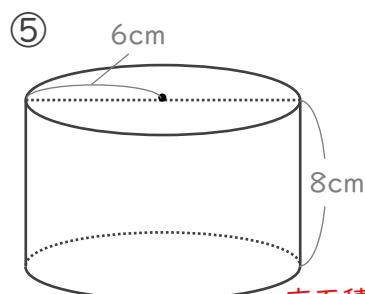
底面積
 $12 \times 7 \div 2 = 42$
 $42 \times 5 = 210$

210 cm³



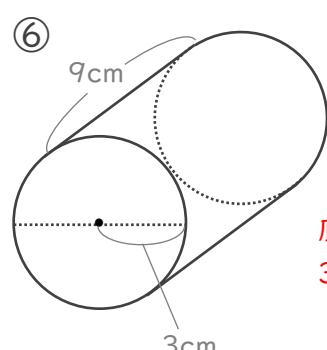
底面積
 $(17+5) \times 9 \div 2 = 99$
 $99 \times 9 = 891$

891 cm³



底面積
 $6 \times 6 \times 3.14 = 113.04$
 $113.04 \times 8 = 904.32$

904.32 cm³



底面積
 $3 \times 3 \times 3.14 = 28.26$
 $28.26 \times 9 = 254.34$

254.34 cm³