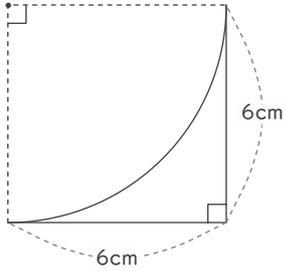


# 円を使った図形の面積

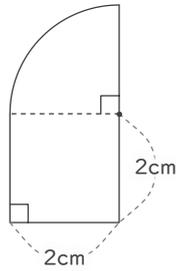
\_\_\_\_年 \_\_\_\_組 名前 \_\_\_\_\_

■ 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。

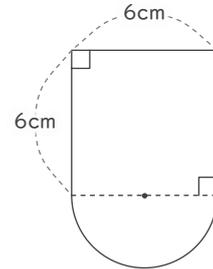
①



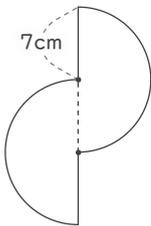

②



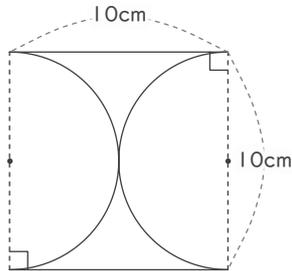

③



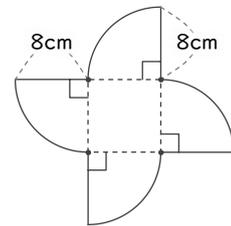

④



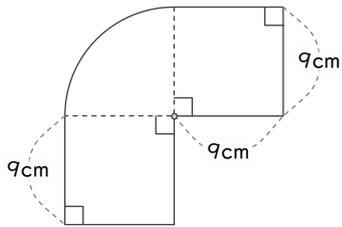

⑤



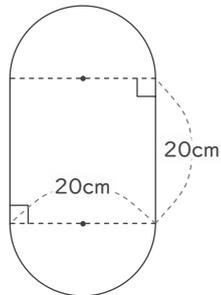

⑥



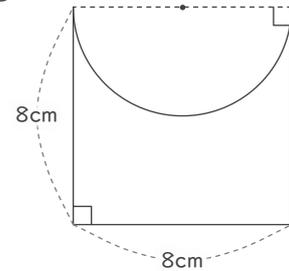

⑦




⑧




⑨



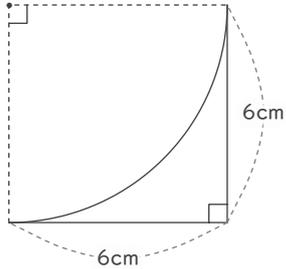
# 円を使った図形の面積

年 組 名前

19

■ 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。

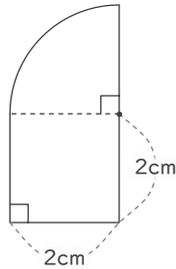
①



$$\begin{aligned} 6 \times 6 &= 36 \\ 6 \times 6 \times 3.14 \div 4 &= 28.26 \\ 36 - 28.26 &= 7.74 \end{aligned}$$

$$7.74 \text{cm}^2$$

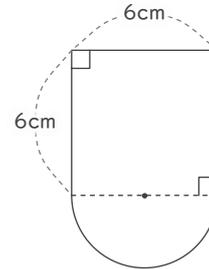
②



$$\begin{aligned} 2 \times 2 \times 3.14 \div 4 &= 3.14 \\ 2 \times 2 &= 4 \\ 3.14 + 4 &= 7.14 \end{aligned}$$

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

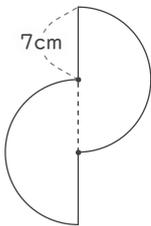
③



$$\begin{aligned} 3 \times 3 \times 3.14 \div 2 &= 14.13 \\ 6 \times 6 &= 36 \\ 14.13 + 36 &= 50.13 \end{aligned}$$

$$50.13 \text{cm}^2$$

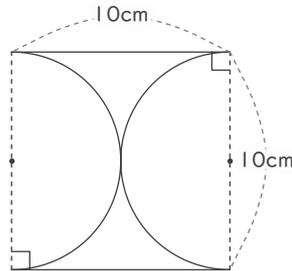
④



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

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

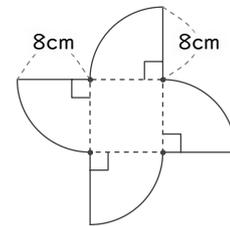
⑤



$$\begin{aligned} 10 \times 10 &= 100 \\ 5 \times 5 \times 3.14 &= 78.5 \\ 100 - 78.5 &= 21.5 \end{aligned}$$

$$21.5 \text{cm}^2$$

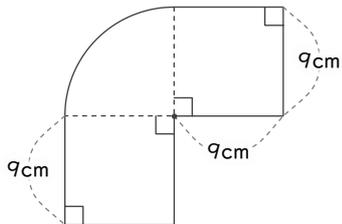
⑥



$$\begin{aligned} 8 \times 8 \times 3.14 &= 200.96 \\ 8 \times 8 &= 64 \\ 200.96 + 64 &= 264.96 \end{aligned}$$

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

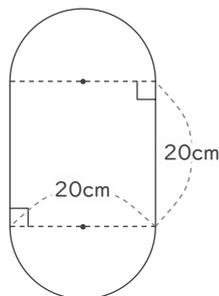
⑦



$$\begin{aligned} 9 \times 9 \times 3.14 \div 4 &= 63.585 \\ 9 \times 9 \times 2 &= 162 \\ 63.585 + 162 &= 225.585 \end{aligned}$$

$$225.585 \text{cm}^2$$

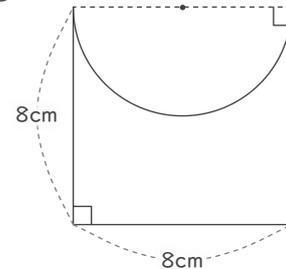
⑧



$$\begin{aligned} 10 \times 10 \times 3.14 &= 314 \\ 20 \times 20 &= 400 \\ 314 + 400 &= 714 \end{aligned}$$

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

⑨



$$\begin{aligned} 8 \times 8 &= 64 \\ 4 \times 4 \times 3.14 \div 2 &= 25.12 \\ 64 - 25.12 &= 38.88 \end{aligned}$$

$$38.88 \text{cm}^2$$