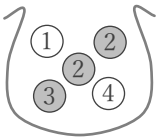
玉と確率

年　組　名前

/12

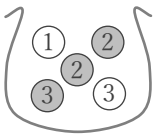
■ 数字が書かれた黒と白の玉を合わせて5つ入れたふくろから、同時に2つを取り出すとき、次の確率を求めよ。

① 2つの玉の数字の積が2



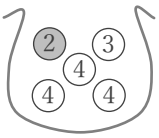
確率

② 2つの玉の色が同じ



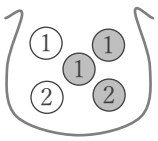
確率

③ 2つの玉の数字が異なる



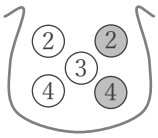
確率

④ 2つの玉の数字が両方1



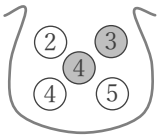
確率

⑤ 2つの玉の数字の和が6



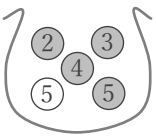
確率

⑥ 2つの玉の数字の差が3



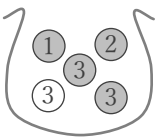
確率

⑦ 2つの玉の色が異なる



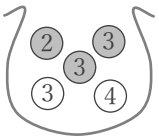
確率

⑧ 2つの玉の数字の和が5



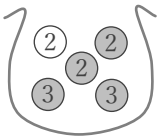
確率

⑨ 2つの玉の色がいずれも黒



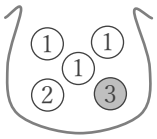
確率

⑩ 2つの玉の数字が同じ



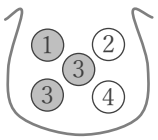
確率

⑪ 2つの玉の数字の積が1



確率

⑫ 2つの玉の数字の差が3



確率

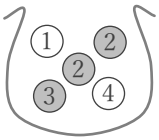
玉と確率

年　組　名前

/12

■ 数字が書かれた黒と白の玉を合わせて5つ入れたふくろから、同時に2つを取り出すとき、次の確率を求めよ。

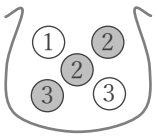
① 2つの玉の数字の積が2



確率 $\frac{1}{5}$

1−2 ○	2−3 ×
1−2 ○	2−4 ×
1−3 ×	2−3 ×
1−4 ×	2−4 ×
2−2 ×	3−4 ×

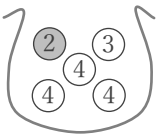
② 2つの玉の色が同じ



確率 $\frac{2}{5}$

1−2 ×	2−3 ○
1−2 ×	2−3 ×
1−3 ×	2−3 ○
1−3 ○	2−3 ×
2−2 ○	3−3 ×

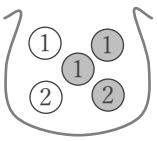
③ 2つの玉の数字が異なる



確率 $\frac{7}{10}$

2−3 ○	3−4 ○
2−4 ○	3−4 ○
2−4 ○	4−4 ×
2−4 ○	4−4 ×
3−4 ○	4−4 ×

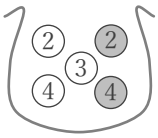
④ 2つの玉の数字が両方1



確率 $\frac{3}{10}$

1−1 ○	1−2 ×
1−1 ○	1−2 ×
1−2 ×	1−2 ×
1−2 ×	1−2 ×
1−1 ○	2−2 ×

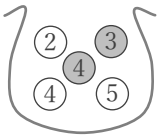
⑤ 2つの玉の数字の和が6



確率 $\frac{2}{5}$

2−2 ×	2−4 ○
2−3 ×	2−4 ○
2−4 ○	3−4 ×
2−4 ○	3−4 ×
2−3 ×	4−4 ×

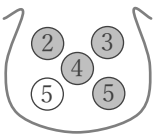
⑥ 2つの玉の数字の差が3



確率 $\frac{1}{10}$

2−3 ×	3−4 ×
2−4 ×	3−5 ×
2−4 ×	4−4 ×
2−5 ○	4−5 ×
3−4 ×	4−5 ×

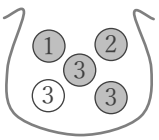
⑦ 2つの玉の色が異なる



確率 $\frac{2}{5}$

2−3 ×	3−5 ○
2−4 ×	3−5 ×
2−5 ○	4−5 ○
2−5 ×	4−5 ×
3−4 ×	5−5 ○

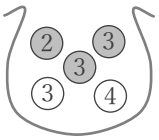
⑧ 2つの玉の数字の和が5



確率 $\frac{3}{10}$

1−2 ×	2−3 ○
1−3 ×	2−3 ○
1−3 ×	3−3 ×
1−3 ×	3−3 ×
2−3 ○	3−3 ×

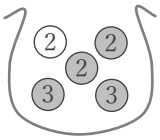
⑨ 2つの玉の色がいずれも黒



確率 $\frac{3}{10}$

2−3 ○	3−3 ×
2−3 ○	3−4 ×
2−3 ×	3−3 ×
2−4 ×	3−4 ×
3−3 ○	3−4 ×

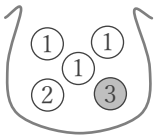
⑩ 2つの玉の数字が同じ



確率 $\frac{2}{5}$

2−2 ○	2−3 ×
2−2 ○	2−3 ×
2−3 ×	2−3 ×
2−3 ×	2−3 ×
2−2 ○	3−3 ○

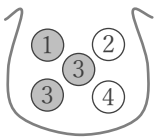
⑪ 2つの玉の数字の積が1



確率 $\frac{3}{10}$

1−1 ○	1−2 ×
1−1 ○	1−3 ×
1−2 ×	1−2 ×
1−3 ×	1−3 ×
1−1 ○	2−3 ×

⑫ 2つの玉の数字の差が3



確率 $\frac{1}{10}$

1−2 ×	2−3 ×
1−3 ×	2−4 ×
1−3 ×	3−3 ×
1−4 ○	3−4 ×
2−3 ×	3−4 ×