

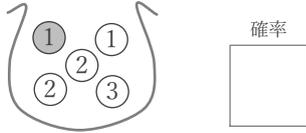
玉と確率

____年 ____組 名前

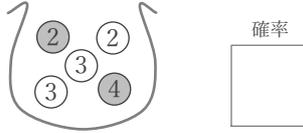
/12

■ 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。

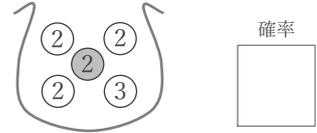
① 2つの玉の数字の和が4



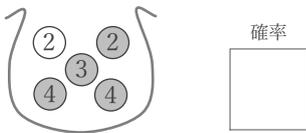
⑤ 2つの玉の色がいずれも黒



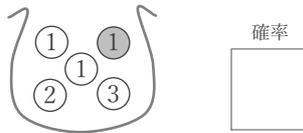
⑨ 2つの玉の色がいずれも白



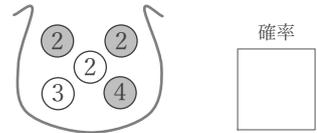
② 2つの玉の数字の差が1



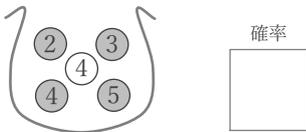
⑥ 2つの玉の色が異なる



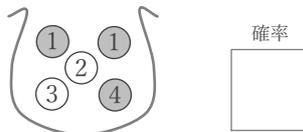
⑩ 2つの玉の数字の和が6



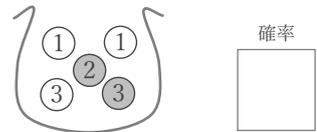
③ 2つの玉の数字の積が6



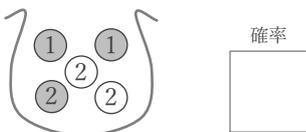
⑦ 2つの玉の色が異なる



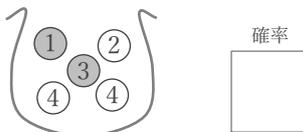
⑪ 2つの玉の数字が同じ



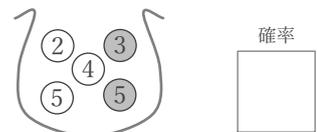
④ 2つの玉の数字が異なる



⑧ 2つの玉の色が同じ

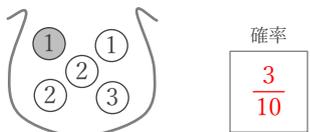


⑫ 2つの玉の数字の積が8



■ 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つの玉の数字の和が4

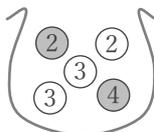


確率

$$\frac{3}{10}$$

- | | |
|-------|-------|
| ①-① × | ①-② × |
| ①-② × | ①-③ ○ |
| ①-② × | ②-② ○ |
| ①-③ ○ | ②-③ × |
| ①-② × | ②-③ × |

⑤ 2つの玉の色がいずれも黒

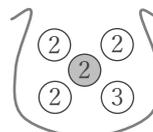


確率

$$\frac{1}{10}$$

- | | |
|-------|-------|
| ②-② × | ②-③ × |
| ②-③ × | ②-④ × |
| ②-③ × | ③-③ × |
| ②-④ ○ | ③-④ × |
| ②-③ × | ③-④ × |

⑨ 2つの玉の色がいずれも白

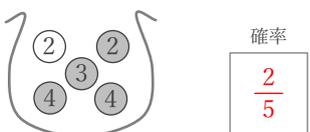


確率

$$\frac{3}{5}$$

- | | |
|-------|-------|
| ②-② ○ | ②-② ○ |
| ②-② × | ②-③ ○ |
| ②-② ○ | ②-② × |
| ②-③ ○ | ②-③ × |
| ②-② × | ②-③ ○ |

② 2つの玉の数字の差が1

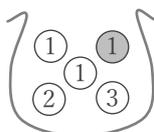


確率

$$\frac{2}{5}$$

- | | |
|-------|-------|
| ②-② × | ②-④ × |
| ②-③ ○ | ②-④ × |
| ②-④ × | ③-④ ○ |
| ②-④ × | ③-④ ○ |
| ②-③ ○ | ④-④ × |

⑥ 2つの玉の色が異なる

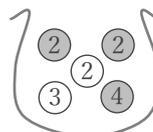


確率

$$\frac{2}{5}$$

- | | |
|-------|-------|
| ①-① ○ | ①-② ○ |
| ①-① × | ①-③ ○ |
| ①-② × | ①-② × |
| ①-③ × | ①-③ × |
| ①-① ○ | ②-③ × |

⑩ 2つの玉の数字の和が6

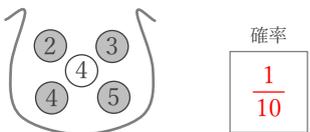


確率

$$\frac{3}{10}$$

- | | |
|-------|-------|
| ②-② × | ②-③ × |
| ②-② × | ②-④ ○ |
| ②-③ × | ②-③ × |
| ②-④ ○ | ②-④ ○ |
| ②-② × | ③-④ × |

③ 2つの玉の数字の積が6

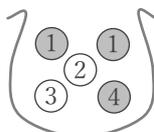


確率

$$\frac{1}{10}$$

- | | |
|-------|-------|
| 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

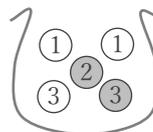


確率

$$\frac{3}{5}$$

- | | |
|-------|-------|
| ①-① × | ①-③ ○ |
| ①-② ○ | ①-④ × |
| ①-③ ○ | ②-③ × |
| ①-④ × | ②-④ ○ |
| ①-② ○ | ③-④ ○ |

⑪ 2つの玉の数字が同じ

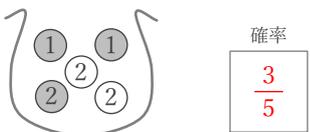


確率

$$\frac{1}{5}$$

- | | |
|-------|-------|
| ①-① ○ | ①-③ × |
| ①-② × | ①-③ × |
| ①-③ × | ②-③ × |
| ①-③ × | ②-③ × |
| ①-② × | ③-③ ○ |

④ 2つの玉の数字が異なる

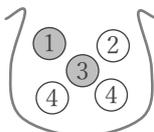


確率

$$\frac{3}{5}$$

- | | |
|-------|-------|
| ①-① × | ①-② ○ |
| ①-② ○ | ①-② ○ |
| ①-② ○ | ②-② × |
| ①-② ○ | ②-② × |
| ①-② ○ | ②-② × |

⑧ 2つの玉の色が同じ

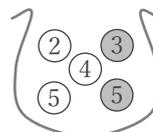


確率

$$\frac{2}{5}$$

- | | |
|-------|-------|
| ①-② × | ②-④ ○ |
| ①-③ ○ | ②-④ ○ |
| ①-④ × | ③-④ × |
| ①-④ × | ③-④ × |
| ②-③ × | ④-④ ○ |

⑫ 2つの玉の数字の積が8



確率

$$\frac{1}{10}$$

- | | |
|-------|-------|
| ②-③ × | ③-⑤ × |
| ②-④ ○ | ③-⑤ × |
| ②-⑤ × | ④-⑤ × |
| ②-⑤ × | ④-⑤ × |
| ③-④ × | ⑤-⑤ × |