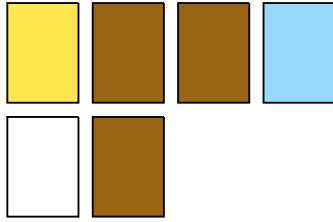


#1 You pick a card at random, put it back, and then pick another card at random. What is $P(\text{yellow, orange})$? Simplify your answer and write it as a fraction or whole number.



- 3
- 2
- 1
- 0

Show your work

#2 You flip a coin twice. What is $P(\text{heads, tails})$? Write your answer as a percentage.



$$P(\text{heads, tails}) = \boxed{}\%$$

Show your work

#3 You flip a coin twice. What is $P(\text{tails, tails})$? Write your answer as a percentage.

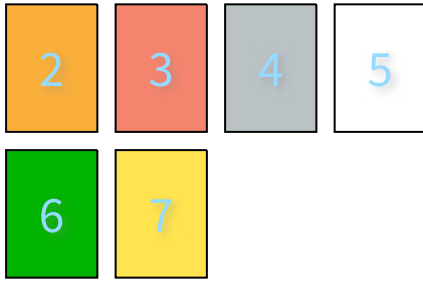


- 25%
- 50%
- 0%
- 75%

Show your work

#4

You pick a card at random, put it back, and then pick another card at random. What is $P(\text{odd, even})$? Simplify your answer and write it as a fraction or whole number.

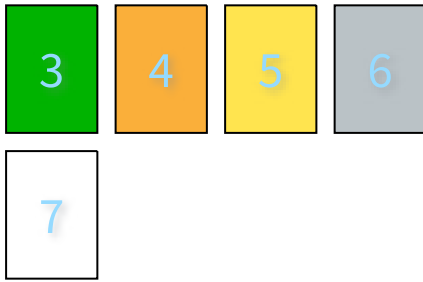


$$P(\text{odd, even}) = \boxed{}$$

Show your work

#5

You pick a card at random. Without putting the first card back, you pick a second card at random. What is $P(\text{greater than 6, 3})$? Simplify your answer and write it as a fraction or whole number.

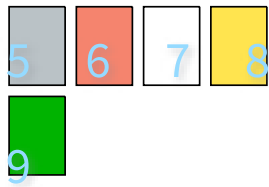


$$P(\text{greater than 6, 3}) = \boxed{}$$

Show your work

#6

You pick a card at random. Without putting the first card back, you pick a second card at random. What is $P(8, 9)$? Simplify your answer and write it as a fraction or whole number.



$\frac{5}{9}$

$\frac{1}{9}$

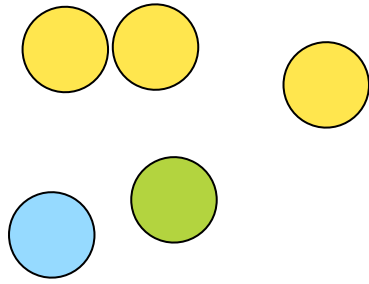
$\frac{1}{20}$

$\frac{3}{5}$

Show your work

#7

You pick a marble at random. Without putting the first marble back, you pick a second marble at random. What is $P(\text{blue, brown})$? Simplify your answer and write it as a fraction or whole number.

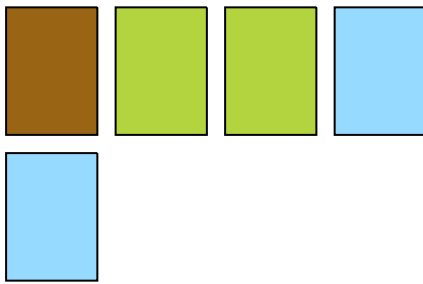


$$P(\text{blue, brown}) = \boxed{}$$

Show your work

#8

You pick a card at random. Without putting the first card back, you pick a second card at random. What is $P(\text{green, white})$? Simplify your answer and write it as a fraction or whole number.

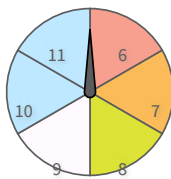


$$P(\text{green, white}) = \boxed{}$$

Show your work

#9

You spin the spinner wheel twice. What is $P(\text{odd, odd})$? Simplify your answer and write it as a fraction or whole number.



$\frac{1}{10}$

$\frac{3}{10}$

$\frac{1}{4}$

$\frac{6}{7}$

Show your work

#10

You roll a 6-sided die twice. What is $P(\text{odd, greater than 5})$? Simplify your answer and write it as a fraction or whole number.

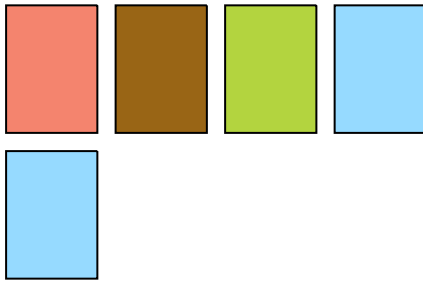


$$P(\text{odd, greater than 5}) = \boxed{}$$

Show your work

#11

You pick a card at random. Without putting the first card back, you pick a second card at random. What is $P(\text{green, orange})$? Simplify your answer and write it as a fraction or whole number.

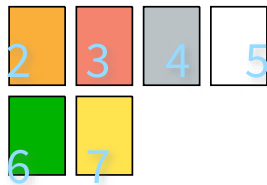


$$P(\text{green, orange}) = \boxed{}$$

Show your work

#12

You pick a card at random. Without putting the first card back, you pick a second card at random. What is $P(\text{less than 4, 6})$? Simplify your answer and write it as a fraction or whole number.



$\frac{7}{9}$

$\frac{7}{10}$

$\frac{1}{15}$

$\frac{1}{3}$

Show your work

| Question | Answer |
|----------|----------|
| #1 | 0 |
| #2 | 25 |
| #3 | choice 1 |
| #4 | $1/4$ |
| #5 | $1/20$ |
| #6 | $1/20$ |
| #7 | 0 |
| #8 | 0 |
| #9 | $1/4$ |
| #10 | $1/12$ |
| #11 | 0 |
| #12 | $1/15$ |