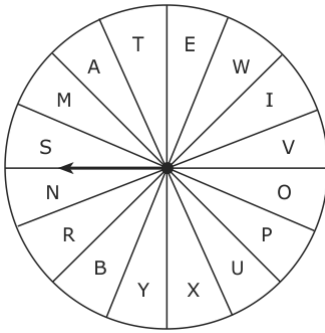


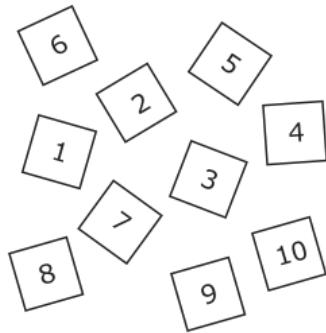
1. Carmen will spin the spinner below.



What is the probability that the spinner will land on a letter from the word **EXTRAORDINARY**?

- A $\frac{8}{16}$
- B $\frac{9}{16}$
- C $\frac{5}{8}$
- D $\frac{3}{4}$

2. Maria has a set of cards numbered 1 through 10.



If Maria picks a card without looking, what is the probability she will choose a number less than 5?

- A $\frac{1}{2}$
- B $\frac{1}{5}$
- C $\frac{2}{5}$
- D $\frac{1}{10}$

3. In the table below, Carlos listed the number of each type of coin he has in a jar.

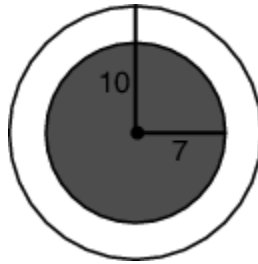
Carlos' Coins

Coin Type	Quantity
penny	3
nickel	2
dime	1
quarter	5

If Carlos randomly selects a coin, what is the probability he will select a penny?

- A $\frac{1}{11}$
- B $\frac{1}{8}$
- C $\frac{3}{11}$
- D $\frac{3}{8}$

4. Tim throws a dart at the dartboard shown below and hits the dartboard. The dartboard has a shaded part and an unshaded part.



What is the probability of Tim's dart hitting the unshaded part of the board?

- A $\frac{49\pi}{100\pi}$
- B $\frac{51\pi}{100\pi}$
- C $\frac{49\pi}{51\pi}$
- D $\frac{100\pi}{51\pi}$

5. A store is giving away gift cards to its customers. The store has ten \$25 gift cards, twenty \$15 gift cards, and fifty \$5 gift cards in separate envelopes. The envelopes are in a box and customers randomly select one envelope. What is the probability a customer will select a \$25 gift card?

A $\frac{1}{8}$

B $\frac{1}{6}$

C $\frac{1}{4}$

D $\frac{1}{2}$

6. Mary is making a necklace by alternating red, yellow, and green beads. In a bowl, she has 20 red beads, 20 yellow beads, and 20 green beads. If Mary needs a red bead, what is the probability of her picking one randomly?

A $\frac{3}{4}$

B $\frac{1}{2}$

C $\frac{1}{3}$

D $\frac{1}{6}$

7. A bag contains 3 red balloons, 2 purple balloons, 4 yellow balloons, 2 pink balloons, and 1 brown balloon. Without looking, Melissa pulls out a balloon. What is the probability Melissa pulls out a pink or brown balloon?

A 25%

B 30%

C 33%

D 40%

8. Sara has a basket of fruit that contains 10 lemons, 1 pear, 6 oranges, and 3 apples. Sara will randomly pick a piece of fruit. What is the probability of Sara picking an orange?

A $\frac{3}{10}$

B $\frac{6}{19}$

C $\frac{1}{2}$

D $\frac{7}{10}$

9. A stack of 100 cards is numbered from 1 to 100 and thoroughly mixed. What is the probability of selecting a card that is a multiple of 5?

A $\frac{1}{2}$

B $\frac{1}{5}$

C $\frac{1}{10}$

D $\frac{1}{20}$

10. There are 13 boys and 12 girls in Mrs. Allen's class. What is the probability that a randomly selected student is a girl?

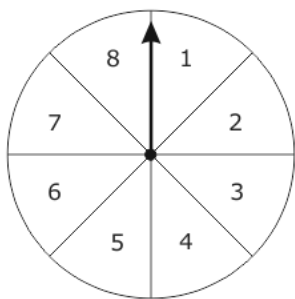
A $\frac{1}{12}$

B $\frac{12}{25}$

C $\frac{13}{25}$

D $\frac{12}{13}$

11. William spins the spinner below one time.



What is the probability that the spinner lands on the 2 or 4?

- A $\frac{1}{8}$
- B $\frac{1}{4}$
- C $\frac{1}{3}$
- D $\frac{1}{2}$

12. Kelly will roll a number cube labeled 1 to 6. What is the probability Kelly will roll a number greater than 3?

- A $\frac{1}{3}$
- B $\frac{1}{2}$
- C $\frac{2}{3}$
- D $\frac{5}{6}$

13. Riley tosses a coin in the air. What is the probability that the coin will land with heads showing?

- A $\frac{1}{4}$
- B $\frac{1}{2}$
- C 1
- D 2

14. Alicia has a number cube labeled 1 to 6. She will roll the number cube one time. What is the probability Alicia will roll a 3 or a 4?

A $\frac{1}{6}$

B $\frac{1}{4}$

C $\frac{1}{3}$

D $\frac{2}{3}$

15. A bag holds 20 balls of equal size and weight. Fifteen of the balls are black and the rest are glow-in-the-dark. Two of the glow-in-the-dark balls have stars on them. What is the probability of choosing a ball with a star on it?

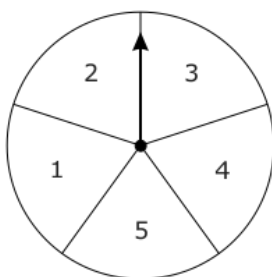
A $\frac{1}{40}$

B $\frac{1}{10}$

C $\frac{3}{4}$

D $\frac{7}{20}$

16. Sue spins the spinner below one time.



What is the probability of spinning an even number?

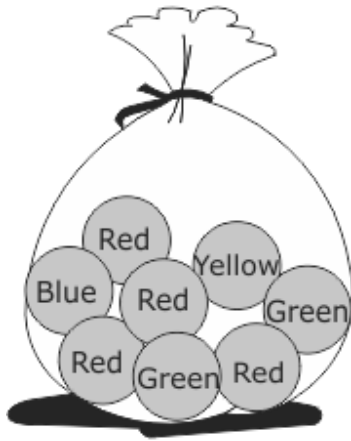
A 2 : 3

B 1 : 2

C 2 : 5

D 1 : 3

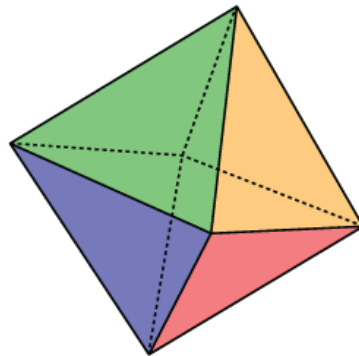
17. Without looking, Carlos pulls a marble out of the bag below.



What is the probability Carlos will pull out a green marble?

- A $\frac{1}{3}$
- B $\frac{1}{4}$
- C $\frac{1}{7}$
- D $\frac{1}{8}$

18. A regular octahedron is a solid three-dimensional figure with 8 regular faces, as shown. A regular octahedron with faces labeled 1 through 8 is rolled.



Which is closest to the percent probability of the octahedron landing on the face labeled 5?

- A 10%
- B 13%
- C 17%
- D 20%

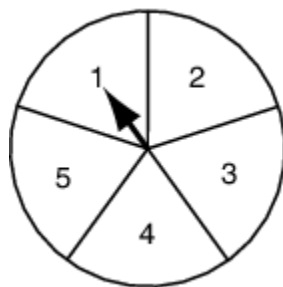
19. Alice has 4 red, 2 pink, 1 white, and 5 blue shirts in a drawer. Without looking, Alice pulled out a red shirt and put it on her bed. What is the probability Alice will pull out a blue shirt after she pulled out the red one?

- A $\frac{5}{12}$
- B $\frac{5}{11}$
- C $\frac{5}{7}$
- D $\frac{5}{6}$

20. Mrs. Harris has 5 blue, 8 red, 3 green, and 7 yellow candies in a bag. If Mrs. Harris randomly selects a candy, what is the probability she will select a yellow or blue candy?

- A $\frac{5}{23}$
- B $\frac{7}{23}$
- C $\frac{11}{23}$
- D $\frac{12}{23}$

21. Leslie is using the spinner below in a game she is playing.



What is the probability that Leslie's next spin will land on an even number?

- A 20%
- B 40%
- C 60%
- D 67%

- 22.** A box contains 6 red marbles, 4 green marbles, 3 blue marbles, and 2 yellow marbles. If one marble is chosen at random, what is the probability that it will be blue?
- A** 0.07
 - B** 0.20
 - C** 0.25
 - D** 0.33
- 23.** John opens a package of multi-colored candy. In the package, there are 6 blue, 7 red, 4 yellow, and 9 green pieces of candy. If John randomly selects a piece, what is the probability he will select a red piece of candy?
- A** 7 out of 10
 - B** 7 out of 13
 - C** 7 out of 19
 - D** 7 out of 26
- 24.** There are 16 girls and 12 boys in a class. The teacher will randomly select a student to answer a question. What is the probability the student selected will be a girl?
- A** $\frac{3}{4}$
 - B** $\frac{3}{7}$
 - C** $\frac{4}{3}$
 - D** $\frac{4}{7}$
- 25.** Lorenzo will flip a coin ten times. What is the probability Lorenzo's 9th flip will land on a head?
- A** $\frac{4}{5}$
 - B** $\frac{1}{2}$
 - C** $\frac{1}{3}$
 - D** $\frac{1}{5}$

26. Billy has 2 nickels, 5 dimes, 2 quarters, and 3 pennies in his pocket. If Billy randomly selects a coin from his pocket, what is the probability he selected a nickel?

- A** $\frac{1}{5}$
- B** $\frac{1}{6}$
- C** $\frac{1}{10}$
- D** $\frac{1}{12}$

27. Lee is using a bag of colored marbles to model her free throw shooting. She has placed 12 red marbles in the bag to represent the free throws she makes and 8 blue marbles in the bag to represent the free throws she misses. Based on the model, what is the probability that Lee will make her next free throw?

- A** 33%
- B** 40%
- C** 60%
- D** 67%

28. A set of 19 cards is numbered 1 through 19. The cards are placed into a hat. What is the probability of choosing an odd-numbered card?

- A** $\frac{1}{19}$
- B** $\frac{9}{19}$
- C** $\frac{1}{2}$
- D** $\frac{10}{19}$