

Review Worksheet #24Section 1 - Multiple Choice

1) Tom has 4 blue shirts, 5 beige shirts, 6 white shirts, and 3 maroon shirts. If Tom reaches into his closet without looking and pulls out one shirt, what is the probability of it being a white shirt?

(a) $\frac{1}{18}$

(b) $\frac{1}{6}$

(c) $\frac{1}{3}$

(d) $\frac{1}{2}$

2) If you flipped a coin and rolled a 10-sided die (numbered 1 to 10), what is the probability of getting tails and rolling a multiple of three?

(a) $\frac{1}{5}$

(b) $\frac{4}{5}$

(c) $\frac{3}{10}$

(d) $\frac{3}{20}$

3) Terry has 12 orange lollipops, 9 cherry lollipops, 6 grape lollipops, and 3 lime lollipops in a jar. What is the probability that he will randomly select a cherry or lime lollipop?

(a) $\frac{3}{100}$

(b) $\frac{3}{10}$

(c) $\frac{2}{5}$

(d) $\frac{2}{3}$

4) Jackson has 8 red balloons, 4 striped balloons, and 3 spotted balloons for sale. He randomly picks one balloon for Jenny, and then he randomly picks another balloon for Chris. What is the probability that both Jenny and Chris get spotted balloons?

(a) $\frac{3}{15} + \frac{2}{14}$

(b) $\frac{3}{15} \cdot \frac{2}{14}$

(c) $\frac{3}{15} + \frac{2}{15}$

(d) $\frac{3}{15} \cdot \frac{2}{15}$

5) A box contains 5 clear marbles, 7 green marbles, and 3 white marbles. Two marbles are taken out. What is the probability that both marbles are clear?

- (a) $\frac{4}{45}$
- (b) $\frac{2}{21}$
- (c) $\frac{1}{9}$
- (d) $\frac{5}{42}$

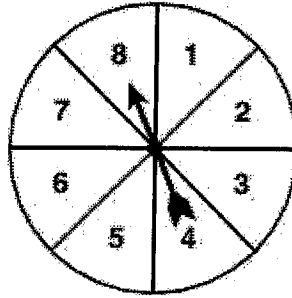
6) Jordan is making his class schedule. The options for first period are Spanish, French, or Pre-Algebra. The options for second period are Latin, Band, Gym, or History. Jordan randomly picks one class for first period and one class for second period. What is the probability that Jordan will get two language classes?

- (a) $\frac{1}{12}$
- (b) $\frac{1}{6}$
- (c) $\frac{1}{4}$
- (d) $\frac{2}{3}$

7) Luigi is buying fish at the pet store. There are 6 orange fish and 4 black fish in the tank. Luigi randomly takes out two fish. What is the probability that both fish are orange?

- (a) 13%
- (b) 33%
- (c) 36%
- (d) 60%

8) If Mao spins the spinner, which is the probability that it will land on a number less than 4?



- (a) $\frac{4}{8}$
- (b) $\frac{4}{4}$
- (c) $\frac{3}{5}$
- (d) $\frac{3}{8}$

9) Fran and her friends have been playing a board game for 4 hours with a standard 6-sided number cube. It is Fran's turn. If she rolls a 3 on her next turn, she will lose a turn. What is the probability that Fran will NOT lose a turn?

- (a) 1:6
- (b) 1:3
- (c) 1:2
- (d) 5:6

10) Carlotta has 4 red marbles, 8 blue marbles, and 3 yellow marbles. She placed all of them in a hat and began to draw them out one at a time. How many marbles can she possibly pull out before she has to pull a yellow one?

- (a) 3
- (b) 11
- (c) 12
- (d) 15

11) When they remodel their bathroom, Ben will choose either type 1 or type 2 paint while Judy will choose either a blue sink, a white sink, a black sink, or a beige sink. What is the probability that Ben will choose type 2 paint and Judy will choose a blue sink?

- (a) $\frac{2}{3}$
- (b) $\frac{1}{8}$
- (c) $\frac{3}{4}$
- (d) $\frac{5}{6}$

12) If Pablo and Kim each toss a single coin into the air at the same time, what is the probability of Pablo's coin landing "tails" and Kim's coin landing "heads"?

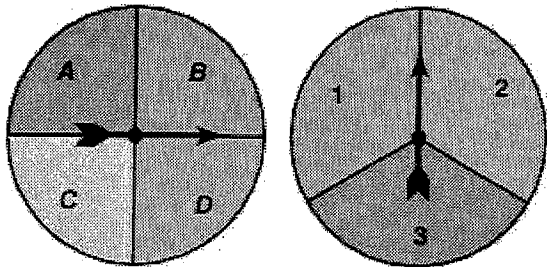
- (a) $\frac{1}{4}$
- (b) $\frac{1}{3}$
- (c) $\frac{1}{2}$
- (d) $\frac{3}{4}$

13) Sue randomly selected one month in the year. What is the probability she selected a month that does *not* begin with "J" or "A"?

- (a) $\frac{5}{12}$
- (b) $\frac{1}{2}$
- (c) $\frac{5}{7}$
- (d) $\frac{7}{12}$

14)

What is the probability of spinning a B on the first spinner and a 3 on the second spinner?



- (a) $\frac{1}{4}$
- (b) $\frac{1}{3}$
- (c) $\frac{1}{12}$
- (d) $\frac{7}{12}$

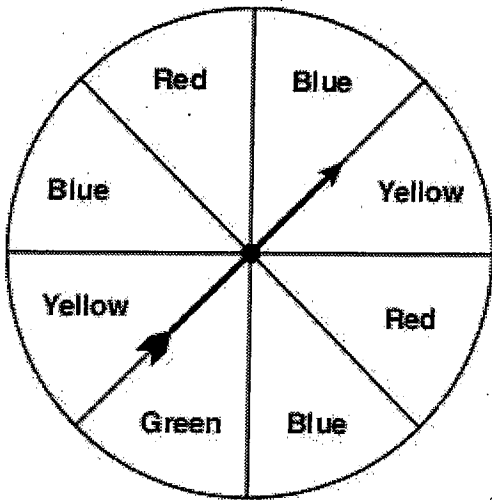
15) A jar contains 3 red marbles, 2 blue marbles, and 4 yellow marbles. How would you find the probability of drawing a red marble followed by another red marble, if you replace the marbles after each draw?

- (a) $\frac{1}{9} \times \frac{1}{9}$
- (b) $\frac{1}{9} + \frac{1}{9}$
- (c) $\frac{1}{3} \times \frac{1}{2}$
- (d) $\frac{1}{3} \times \frac{1}{3}$

16) Ted has 24 clear marbles, 36 orange marbles, and 36 green marbles in his bag. If he picks one marble, what is the probability that it will be green?

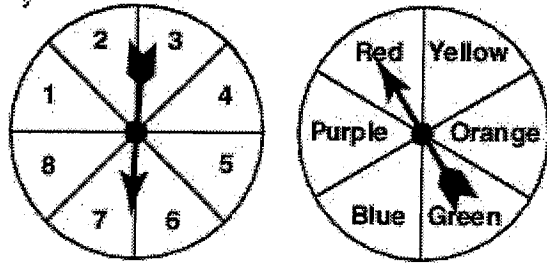
- (a) 12.5%
- (b) 25%
- (c) 37.5%
- (d) 50%

17) If the spinner below is used, which statement is accurate?



- (a) The spinner is more likely to land on blue than on red or yellow.
- (b) The spinner is less likely to land on blue than on red or yellow.
- (c) The spinner is equally likely to land on blue, red, or yellow.
- (d) The spinner is not likely to land on blue, red, or yellow.

18) What is the probability of spinning an even number and blue?



- (a) $\frac{1}{12}$
- (b) $\frac{1}{8}$
- (c) $\frac{1}{6}$
- (d) $\frac{1}{2}$

19) Alexa has 3 dimes, 4 quarters, and 8 pennies in her pocket. If Alexa pulls a coin out of her pocket, what is the probability that the coin she pulls out is NOT a dime?

- (a) $\frac{1}{3}$
- (b) $\frac{4}{15}$
- (c) $\frac{4}{5}$
- (d) $\frac{8}{15}$

20) Andrew has 5 shades of blue to use in his drawing. He has 3 shades of green to choose from and 4 shades of orange. If he chooses 1 shade of each color, how many possible outcomes are there?

- (a) 3
- (b) 12
- (c) 45
- (d) 60