

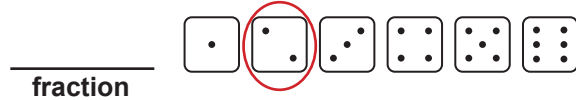
## Basic Probability

**1** Write the probability of flipping “heads” as a fraction, a decimal, and a percentage.



\_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
fraction      decimal      percentage

**2** What is the probability for rolling a 2 on a standard 6-sided die? (write as a fraction)



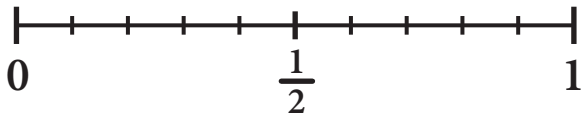
\_\_\_\_\_  
fraction

Would this event be considered “likely” or “unlikely”?  
\_\_\_\_\_

**3** A spinner has 10 equally sized sectors. What is the probability of spinning a 5? (write 3 ways)

\_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
fraction      decimal      percentage

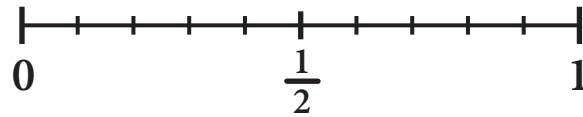
Place a dot on the probability line to represent that probability.



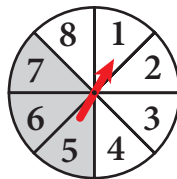
**4** A bag contains 3 red marbles and one blue marble. What is the probability of randomly choosing a red marble? (write 3 ways)

\_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
fraction      decimal      percentage

Place a dot on the probability line to represent that probability.

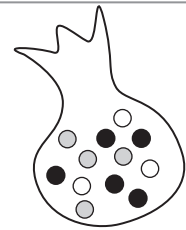


**5** Use this spinner to answer the following questions: (Use fraction form to express the probabilities.)



- a. What is the probability of spinning an 8? \_\_\_\_\_
- b. What is the probability of spinning an 4? \_\_\_\_\_
- c. What is the probability of spinning a grey sector? \_\_\_\_\_
- d. What is the probability of spinning a white sector? \_\_\_\_\_

**6** Use this bag of 12 marbles to answer these questions. (Use fraction form to express the probabilities.)



If you randomly select a marble...

- a. What is the probability it will be black? \_\_\_\_\_
- b. What is the probability it will be grey? \_\_\_\_\_
- c. What is the probability it will be white? \_\_\_\_\_
- d. What is the probability it will be white or grey? \_\_\_\_\_