

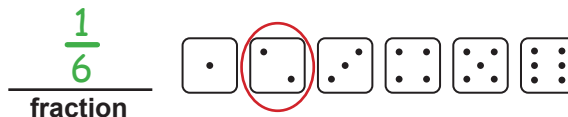
Basic Probability

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



$\frac{1}{2}$ 0.5 50%
 fraction decimal percentage

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



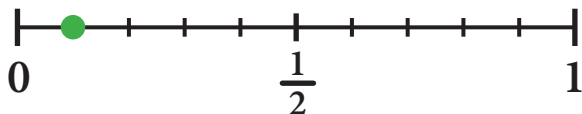
$\frac{1}{6}$
 fraction

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

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

$\frac{1}{10}$ 0.1 10%
 fraction decimal percentage

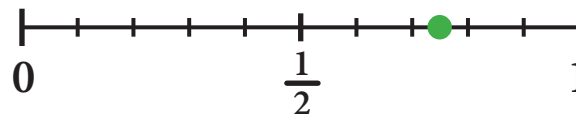
Place a dot on the probability line to represent that probability.



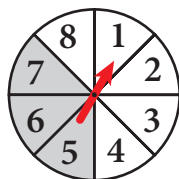
4 A bag contains 3 red marbles and one blue marble. What is the probability of randomly choosing a red marble? (write 3 ways)

$\frac{3}{4}$ 0.75 75%
 fraction decimal percentage

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

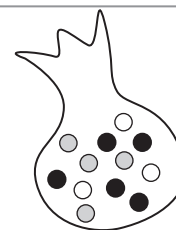


5 Use this spinner to answer the following questions: (Use fraction form to express the probabilities.)



- a. What is the probability of spinning an 8? $\frac{1}{8}$
- b. What is the probability of spinning an 4? $\frac{1}{8}$
- c. What is the probability of spinning a grey sector? $\frac{3}{8}$
- d. What is the probability of spinning a white sector? $\frac{5}{8}$

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? $\frac{5}{12}$
- b. What is the probability it will be grey? $\frac{4}{12}$ or $\frac{1}{3}$
- c. What is the probability it will be white? $\frac{3}{12}$ or $\frac{1}{4}$
- d. What is the probability it will be white or grey? $\frac{7}{12}$