math Antics Exercises

Name: _____

Date: _____

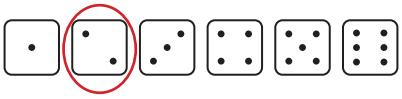
Basic Probability

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

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

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

$\frac{1}{6}$ **fraction**

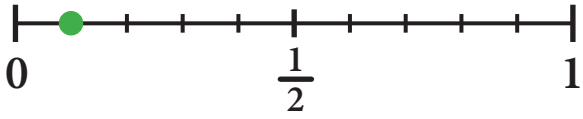


Would this event be considered "likely" or "unlikely"? unlikely

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

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

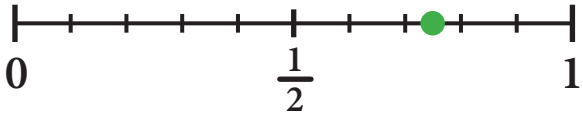
Place a dot on the probability line to represent that probability.



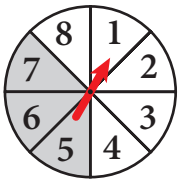
4 A bag contains 3 red marbles and one blue marble. What is the probability of randomly choosing a red marble? (write 3 ways)

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

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.)



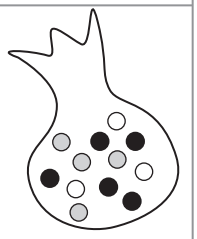
a. What is the probability of spinning an 8? $\frac{1}{8}$

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? $\frac{7}{12}$

See Video for step-by-step solutions to each problem.