

# **Do Now**

1. Is rolling an even number on a number cube an outcome or an event? Explain.

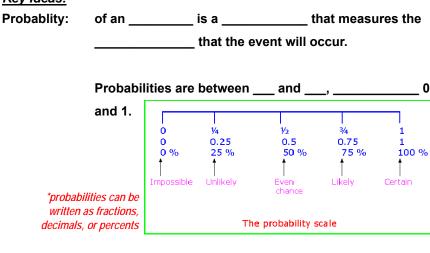


2. Describe how an outcome and a favorable outcome are different.

## Learning Target:

- I can understand the concept of probability and the relationship between probability and likelihood.
- · I can find probabilities of events.

#### Key Ideas:



## Describing the Likelihood of an Event



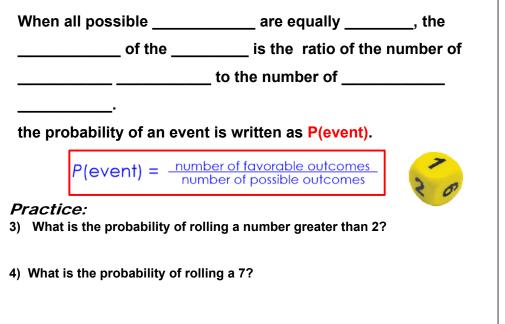
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There is an 80% chance of thunderstorms tomorrow. Describe the likelihood of the event.

#### Practice: Describe the likelihood of the event given its probability.

- 1) The likelihood that you land a jump on a snowboard is  $\frac{1}{2}$ .
- 2) There is a 100% chance that the temperature will be less than 120°F tomorrow.

## Finding the Probablity of An Event



## **Using ProbablitY**

The probability that you randomly draw a short straw from a group of 40 straws is $\frac{3}{20}$ . How many are short straws?		
<b>A</b> 4	<b>B</b> 6	
<b>©</b> 15	<b>D</b> 34	3

#### Practice:

5) The probability that you randomly draw a short straw from a group of 75

straws is \_\_\_\_\_. How many are short straws?