15.1

Outcomes & Events

Do Now

Write the ratio in simplest form.



- 1. baseballs to footballs
- 2. sneakers to ballet slippers
- 3. footballs to total pieces of equipment



- 4. sneakers to total number of shoes
- 5. green beads to blue beads
- 6. red beads:green beads
- 7. green beads:total number of beads



Learning Target:

I can identify and count the outcomes of experiments.

Key Ideas:

experiment: an _____ or a ____ that has varying

results.

outcomes: the _____ of an experiment.

event: collection of ____ or ____ outcomes.

favorable

outcomes: the outcomes of a ______.

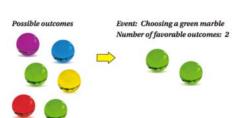
Learning Target:

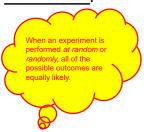
I can identify and count the outcomes of experiments.

Example:

randomly selecting a marble from a group of marbles is an	
each marble in the group is an	

selecting a green marble from the group is an _





Identifying Outcomes

a. What at the possible outcomes?



b. What are the favorable outcomes of rolling an even number?

c. What are the favorable outcomes of rolling a number greater than 5?

Practice

- 1. You randomly choose a letter from a hat that contains the letters A through K.
 - a) What are the possible outcomes?



b) What are the favorable outcomes of choosing a vowel?

Counting Outcomes

You spin the spinner.

a. How many possible outcomes are there?



- b. In how many ways can spinning red occur?
- c. In how many ways can spinning *not* purple occur? What are the favorable ways of spinning *not* purple?

Practice



You randomly choose a marble.

- a. How many possible outcomes are there?
- b. How many ways can choosing blue occur?
- c. In how many ways can choosing *not* yellow occur?

 What are the favorable ways of choosing *not* yellow?