

# REVIEW: Tree Diagrams

Name \_\_\_\_\_

## Key Concept and Vocabulary

Flip a coin 2 times.  
4 possible outcomes:  
HH, HT, TH, TT

**Tree Diagram**

## Visual Model



## Skill Example

1. Draw 2 marbles from a sack containing:

GG   GR   GG   GR   RG   RG

## Application Example

2. You are drawing 2 marbles from a sack that contains . In how many ways can you draw 2 green marbles?

There are 2 GG's in the tree diagram.

There are 2 ways to draw 2 green marbles.

## PRACTICE MAKES PURR-FECT™



Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

Draw a tree diagram to show all the outcomes.

3. Flip a coin 3 times.

4. Draw 2 marbles from a sack with .

5. You flip a coin 3 times. In how many ways can you get 2 heads and 1 tail? \_\_\_\_\_

6. You draw 2 marbles from a sack with . In how many ways can you draw 2 green marbles? \_\_\_\_\_

7. **CARDS** You draw 2 cards from the hand at the right. In how many ways can you end up with a sum of 5? (For instance,  $A + 4 = 5$ .) \_\_\_\_\_

