

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.

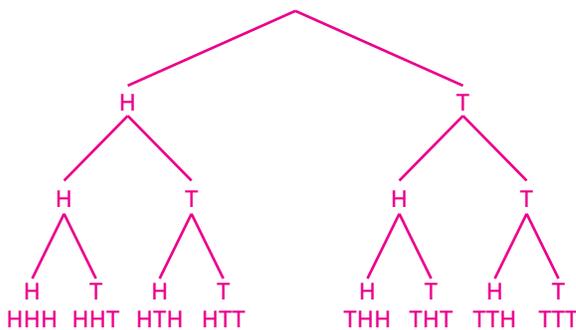
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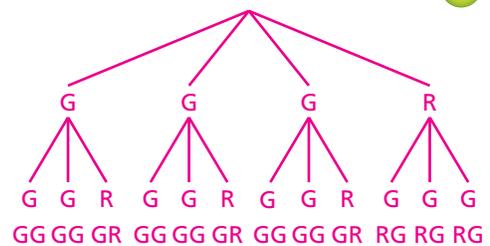
Check your answers at BigIdeasMath.com.

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? 3

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

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, $A + 4 = 5$.) _____
4; $A + 4$, $2 + 3$, $3 + 2$, and $4 + A$

