

# Math Practice Sheets

Probability

Student Name

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**Examples**

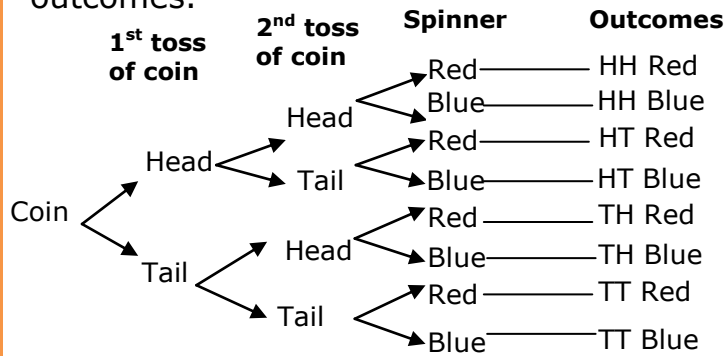
**Practice Questions**

**Extra Challenge Unit**



**Example**

How many total outcomes are possible when tossing a coin twice and spinning a spinner?  
First we make a tree diagram to find the total outcomes.



By tree diagram there are 8 possible outcomes.

Another way of finding outcomes is;  
 Number of outcomes of 1<sup>st</sup> coin = 2  
 Number of outcomes of 2<sup>nd</sup> coin = 2  
 Number of outcomes of spinner = 2  
 So, total possible outcomes =  $2 \times 2 \times 2 = 8$

**Exercise**

1. Find and list the total possible outcomes of each of the following.

a) Tossing three coins

b) Spinning a spinner with blue, black, red, and yellow slices

c) Rolling a number cube

d) Tossing a coin and spinning a spinner with red, pink, orange, and green slices