

# Probability at Home

## Expectations:

-describe probability as a measure of the likelihood that an event will occur, using mathematical language (i.e., impossible, unlikely, less likely, equally likely, more likely, certain)

-describe the probability that an event will occur (e.g., getting heads when tossing a coin, landing on red when spinning a spinner), through investigation with simple games and probability experiments and using mathematical language

## Key Vocabulary

Equally likely - there is an equal chance of this event happening

Likely - there is a good chance that something will happen

Unlikely - there is not a good chance that something will happen

Certain - this is definitely going to happen

Impossible - this is definitely not going to happen

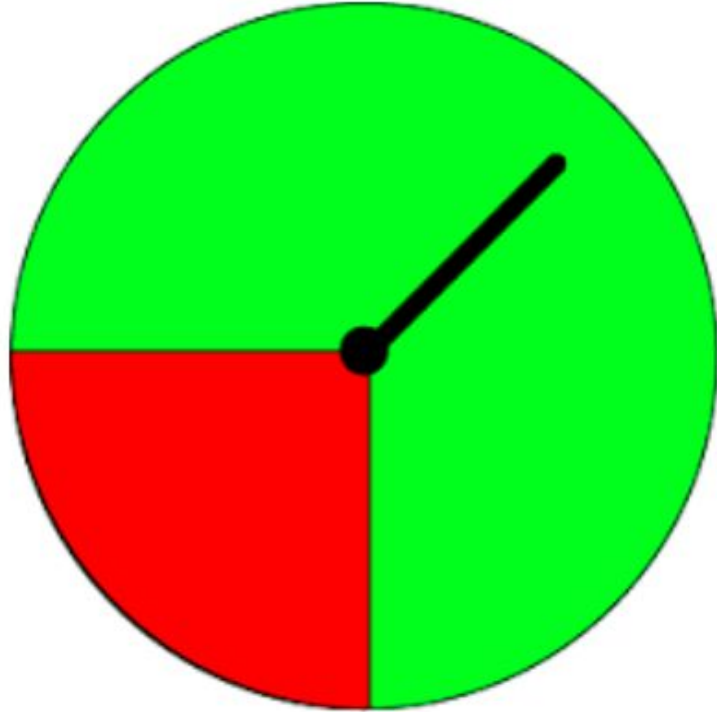
Which cup is more likely to spill? Why?



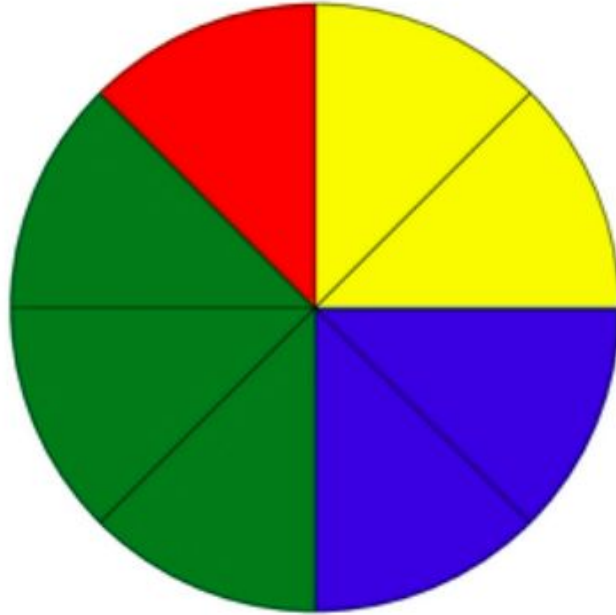
Is it likely or unlikely that it will rain? Why?



What colour are we more likely to spin? Why?



What colour are we more likely to spin? Why?  
Which colour are we least likely to spin? Why?



## **Activity Time**

**Create this spinner-**

You are more likely to get red than blue.

You are less likely to get blue than green.

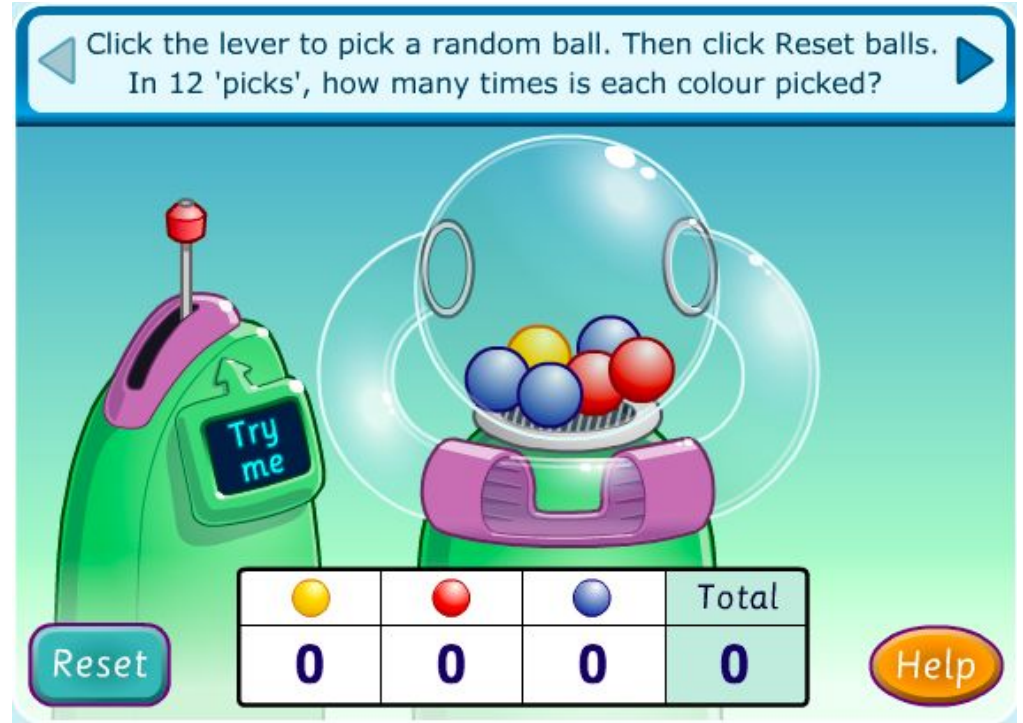
What could the spinner look like?





# Let's Play A Game!

Use the link below.

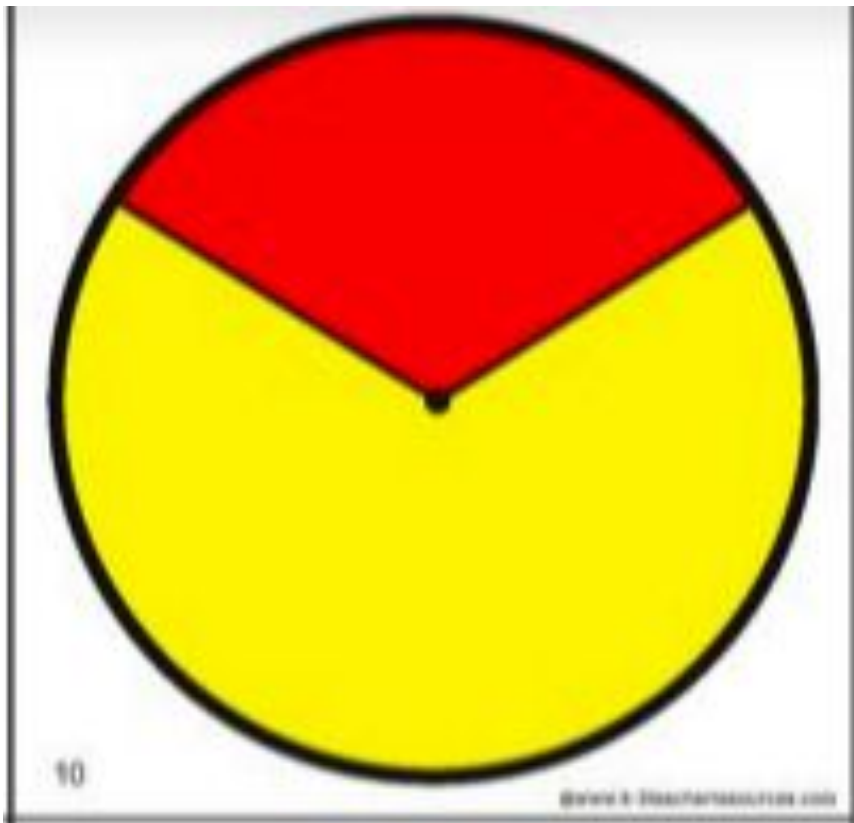


<http://www.kidsmathgamesonline.com/numbers/probability.html>



**rite down a math sentence about this spinner using probability language (see the vocabulary list in the first slide).**

**W**



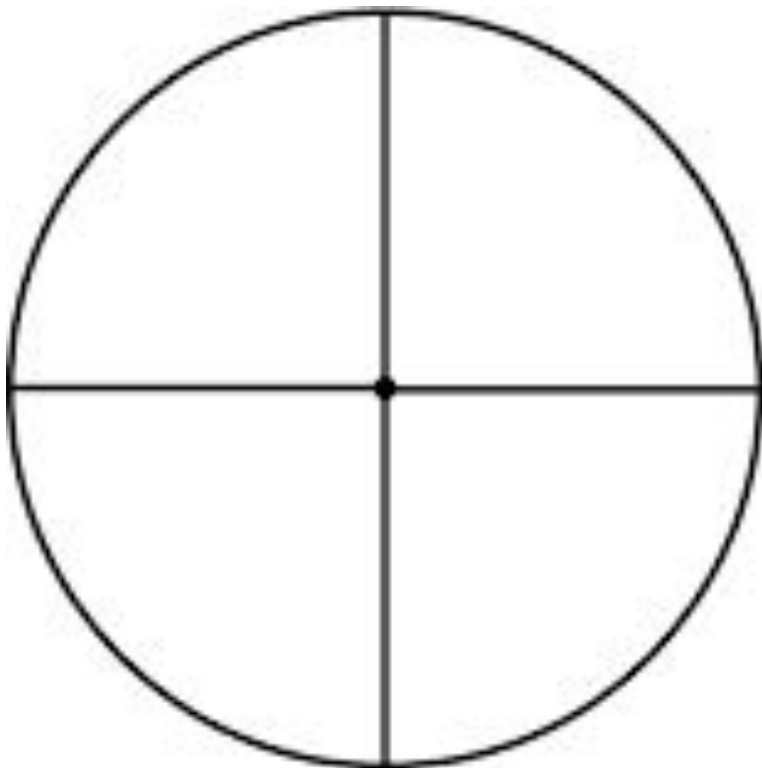
**Write down a math sentence about this spinner using probability language.**



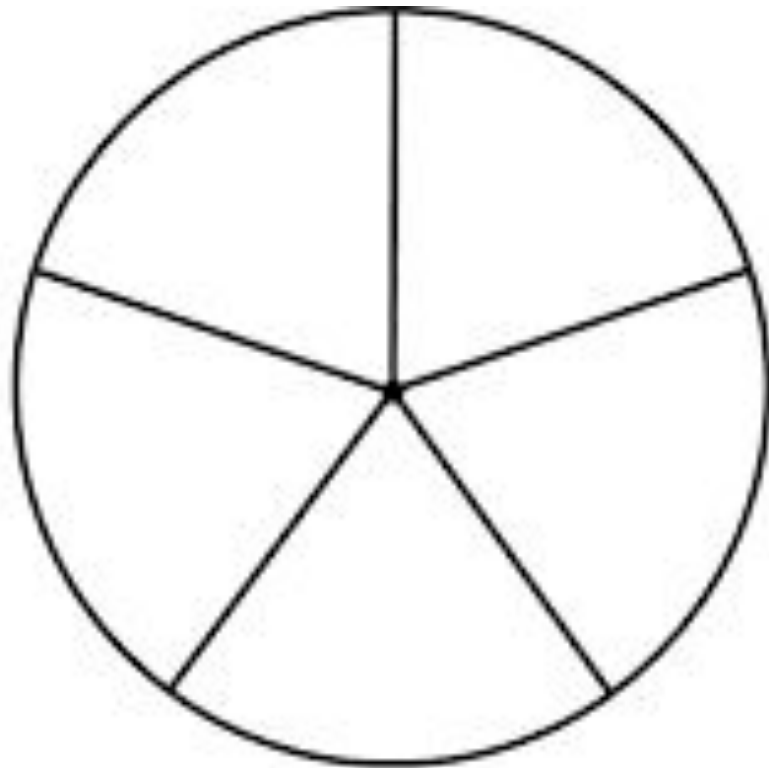
**Write down a math sentence about this spinner using probability language.**

Colour in or make your own spinner to match the clues.

Spinner #1 - I am more likely to spin blue than red.  
I am equally likely to spin red and black.



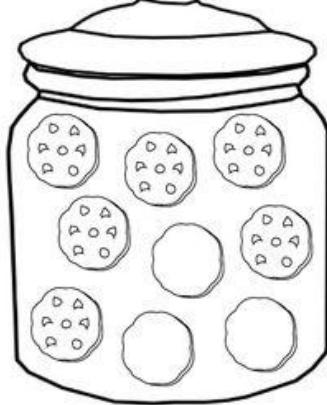
Spinner #2 - I am unlikely to spin black. I am  
likely to spin red.



## Cookie Jar

I have 9 cookies in my cookie jar. There are 6 chocolate chip cookies and 3 peanut butter cookies.

Circle the best answer to each question.



1. What is the probability of picking a peanut butter cookie?

likely      unlikely      certain      impossible

2. What is the probability of picking an oatmeal cookie?

likely      unlikely      certain      impossible

3. What is the probability of picking a chocolate chip cookie?

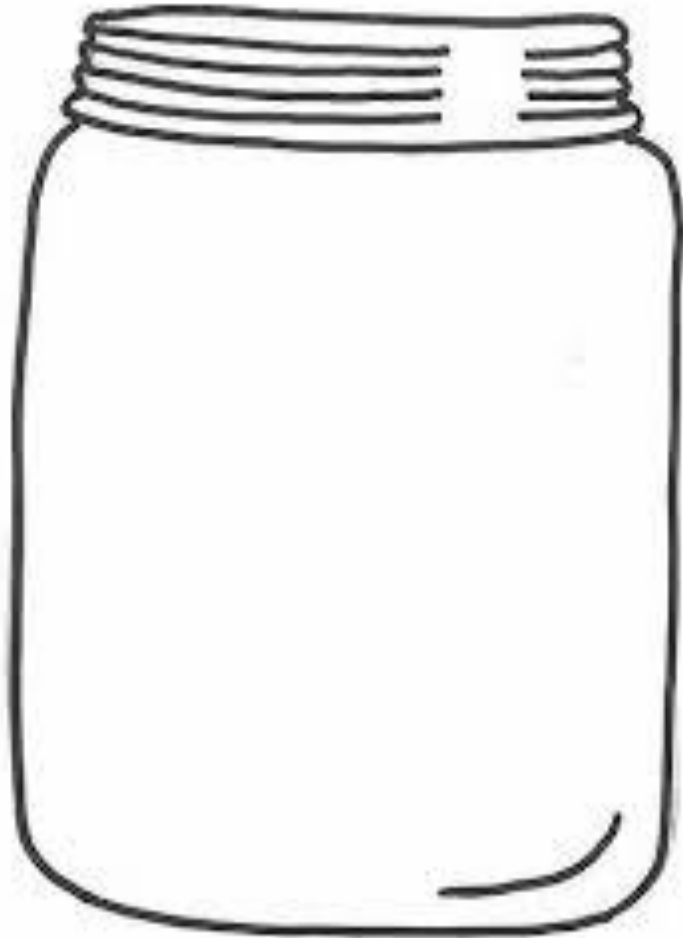
likely      unlikely      certain      impossible

4. What cookie are you least likely to pick?

chocolate chip      peanut butter

5. What jellybean are you most likely to pick?

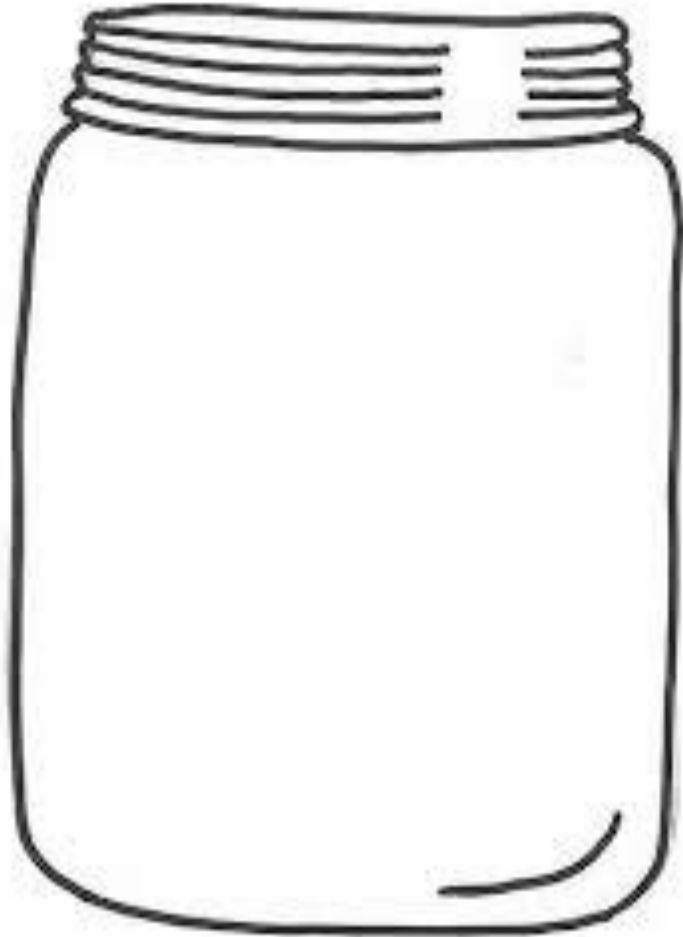
chocolate chip      peanut butter



Draw the candies in the jar.

This jar has star-shaped and heart-shaped candies.

You are more likely to pull out a star-shaped candy.



Draw the candies in the jar.

This jar has star-shaped and heart-shaped candies.

You are certain you will pull out a star-shaped candy.

It is impossible to pull out a heart-shaped candy.



Fill in the blanks.

It is \_\_\_\_\_ that it will snow in December.

It is \_\_\_\_\_ that tomorrow will be Friday.

It is \_\_\_\_\_ that the sky will change colour.