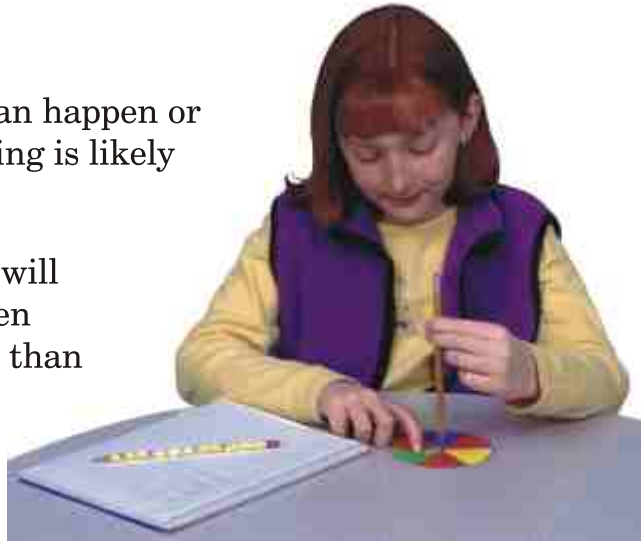## Construct Meaning

There are different ways that things can happen or different possible outcomes. If something is likely to happen, it is probable.

Guesses about the probability of what will happen are called predictions. In a given situation, one outcome is **more likely** than another, **less likely** than another, or **equally likely**.

Try this experiment!

1. Use color tiles or cut three 1-inch squares each from red, blue, and yellow construction paper.

2. Put the nine tiles into a container.

3. Make a tally sheet similar to this sample.

4. Write your prediction as to which color will be drawn more on the back of the tally sheet.

Colors picked in 20 draws	
red	
blue	
yellow	

5. Pick one color tile from the container.

6. Record the color by using a tally mark on the tally sheet.

7. Return the tile to the container.

8. Continue drawing, recording, and returning the colored tile 20 times.

9. Evaluate the experiment by comparing the results to your prediction.

Check Understanding

a. Follow the same directions for the experiment at the top of the page, except this time you will put 3 yellow tiles, 1 red tile, and 1 blue tile into the container.

P ractice

Try another experiment!

1. Make letter cards from notebook paper for the word N-U-M-B-E-R.

2. Shuffle the cards and place them facedown.

N U M B E R

3. Make a tally sheet as shown.

4. Write a prediction as to whether a vowel or consonant will be drawn more.

Times a vowel or consonant is drawn	
vowel	
consonant	

5. Draw a card.

6. Record whether the card shows a vowel or consonant.

7. Return the card and mix the set.

8. Continue this process until 10 draws have been completed.

9. Write an evaluation of the results in comparison to your prediction.

Answer these questions about the spinner.

10. List all possible outcomes.

11. Predict the most likely outcome.

12. Are there any outcomes that are equally likely? If so, what are they?
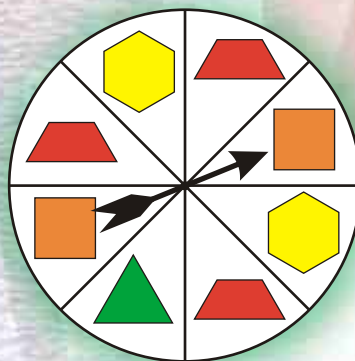
A pply

13. Johnny reaches into the drawer to select a pair of socks. He has two blue pairs, three black pairs, and one white pair. What color of socks do you predict he will choose? Why do you think this?