

Home Connections

Math Activities

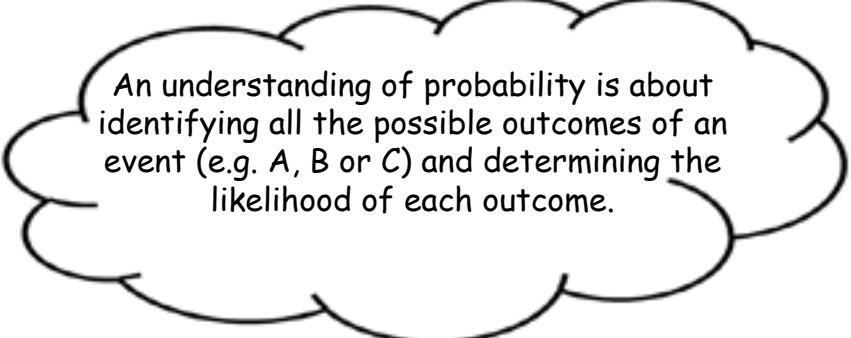
Grade 3

Data Management and Probability

A, B, or C?
How Long Do Animals Sleep

A, B, or C?

1. Print A, B, or C in each of the sections of the attached spinner. For example, you might print 'A' in 5 spaces, 'B' in 2 spaces, and 'C' in 1 space. Create your own spinner using a paper clip, and pencil. (See attached spinner)
2. Ask your child which letter he or she predicts (thinks) the spinner will point to the most, if it is spun 10 times.
3. Now have your child spin the spinner 10 times. On a piece of paper, write the letters A, B, and C. Have your child put a check mark beside a letter every time the spinner points to that letter. It might look something like this:
4. After 10 spins, have your child compare what he or she thought would happen with what actually did happen.
5. Erase the letters on the spinner. Record a different A-B-C set on the spinner and repeat steps 2 to 4



An understanding of probability is about identifying all the possible outcomes of an event (e.g. A, B or C) and determining the likelihood of each outcome.

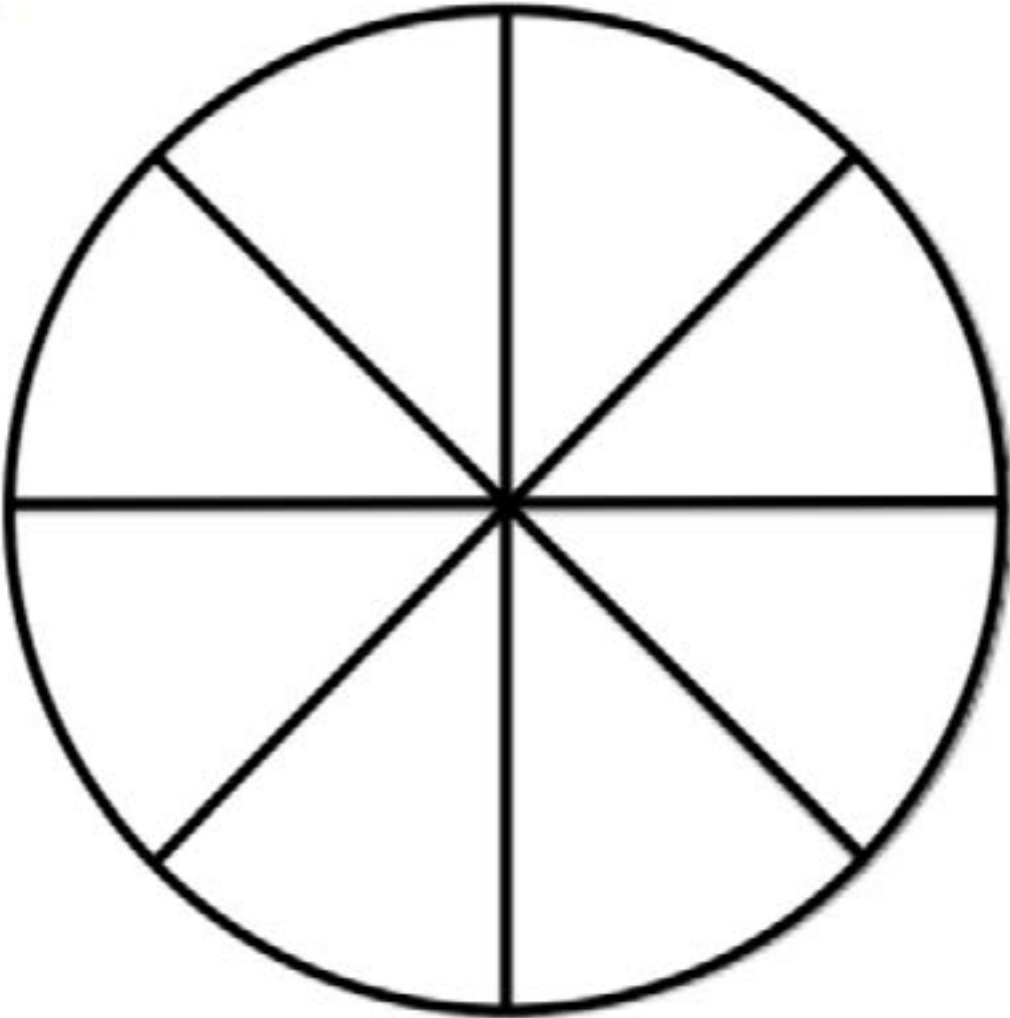
Let's Talk About It

- Explain why you made the predictions you made.
- How did your predictions compare to what actually happened?

A, B, or C?



Spinner



The spinner is divided into 8 equal sectors.



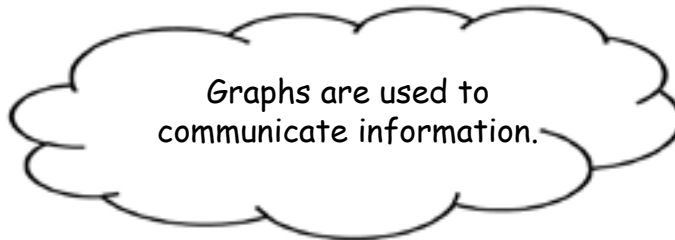
How Long Do Animals Sleep

1. Spend some time with your child talking about the attached graph.

Discuss information in the graph by asking questions, such as the following:

- Which animal sleeps the most?
- Which animal sleeps the least?
- Which animal sleeps more, a dog or cat?
- About how many hours per day is a cow awake?
- How many more hours does the bat sleep than the seal?

2. If you have access to the internet, with your child, research how long other animals sleep. Have your child create a graph using this information.



Let's Talk About It

- How is your new graph different from the first one?
- How could you compare results from both graphs?
- In what ways could this information be useful?

How Long Do Animals Sleep

