Lesson 56: Graphs

**Purpose of lesson:** You will learn how to read and understand graphs.

**Words to Learn:** A *Graph* is a way of showing information in picture form.

There are many different types of graphs. First we will look at the different types of graphs you may see!

**BAR GRAPHS**

*Bar Graphs* use bars to show information. Bar graphs can be in two different forms as shown below.

**LINE GRAPHS**

*Line graphs* show information by using a line. Line graphs show changes over time.
CIRCLE GRAPHS

*Circle Graphs* show information in the form of a circle. Circle graphs are sometimes called pie charts because the segments are in the shape of a piece of pie and the graph is round like a pie.

**Things to remember:**
1) Each part of a circle graph is called a *segment* or *section*.
2) The *segments* all add up to 100%.

*Here are examples of two different types of circle graphs:*

![Circle Graph Example 1](image1)

![Circle Graph Example 2](image2)
Graphs help give us a better understanding of the information being presented.  
**Question:** From the circle graphs above, how many children are in the biggest percentage group?  
**Answer:** The largest percentage of families have 2 children (41%).

There are a few things you need to know about graphs before we go on!  
1. All graphs need to have a title, like a story. A title tells what a graph or story is about.  
2. There needs to be information, or data.  
   - The information on the side of the graph is called vertical data.  
   - The information on the bottom of the graph is called horizontal data.  
   
   **Note:** Circle graphs show the information in sections or segments.  
3. It is important to read the title and information carefully in order to understand graphs well.

**Look at the model graph below to see where these parts of a graph are found:**

![Graph with title, vertical data, horizontal data, and sections]

Let's see how much you have learned about graphs!
Take Lesson 56 Quiz 1
Take Lesson 56 Quiz 2
Take Lesson 56 Quiz 3
Take Lesson 56 Quiz 4
Take Lesson 56 Quiz 5

Let’s try one more!

Take Lesson 56 Quiz 6