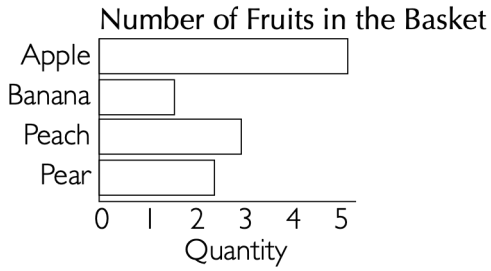
Chapter 6: Color for categorical data

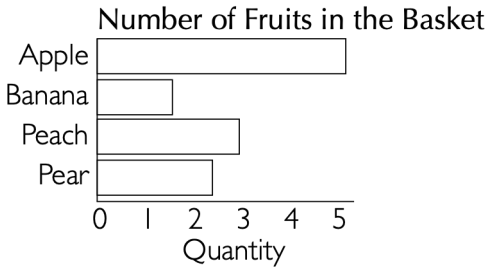
You'll need colored pencils or crayons to do these activities.

Note: If you have a hard time seeing some colors or you know that you are colorblind, please let your teacher or a friend know so that they can help you. We'll learn more about making colorblind-friendly visualizations in Chapters 9 and 10.

1. Color in this bar chart two ways:
    a. First, use colors that make sense with the fruit.



    b. Now, color in the same graph with different category colors of your choice. Make sure that you don't choose colors that look similar to each other.



    c. Which graph is easier to use? What is clear or confusing about both?

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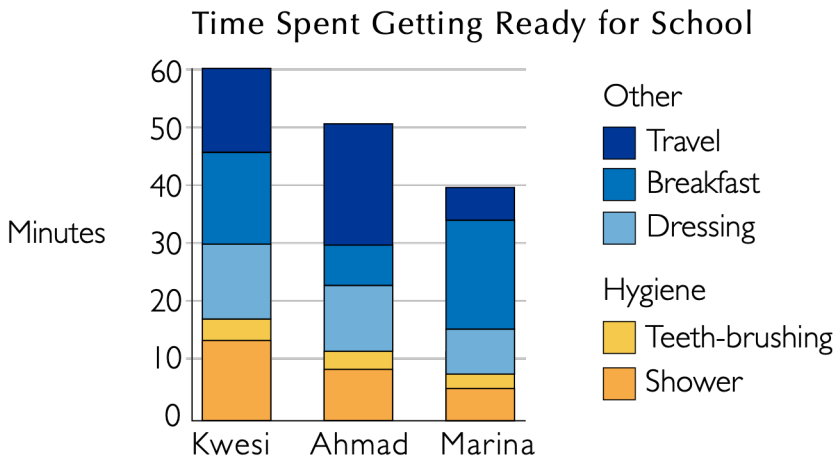
2. Examine this stacked bar chart and answer the following questions:



   a. Who spends the most time in the shower?
   b. Who spends the least time traveling to school?
   c. Whose morning routine is the longest?
   d. What activity usually takes the longest? Is it the same for each person?

3. Think about the number of cousins you have, and ask a few people about their own families.
   a. Fill in the following table with data about yourself and a few people that you know. You can make the data up or use real information.
   b. Plot the data as a bar chart.
   c. Highlight the bar about yourself with a special color.

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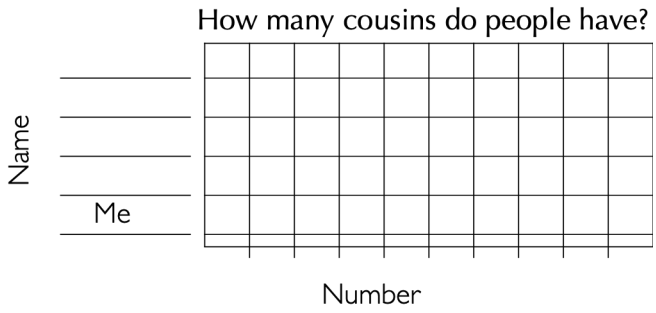
How many cousins do people have?	
Person	**Number of cousins**
Me	



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