

# Explore Collecting, Organizing, and Displaying Data

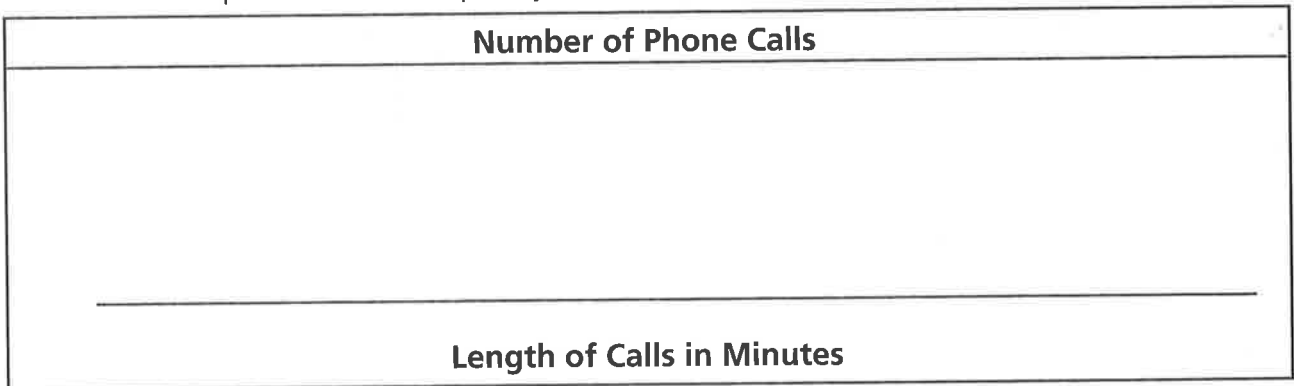
The Johnson family kept the record of the length of telephone calls they made in one weekend.

|           |           |           |            |           |           |
|-----------|-----------|-----------|------------|-----------|-----------|
| 8 minutes | 6 minutes | 4 minutes | 10 minutes | 4 minutes | 8 minutes |
| 7 minutes | 8 minutes | 8 minutes | 7 minutes  | 9 minutes | 8 minutes |
| 3 minutes | 9 minutes | 7 minutes | 8 minutes  | 4 minutes | 6 minutes |
| 9 minutes | 8 minutes | 7 minutes | 9 minutes  | 7 minutes |           |

1. Record the results in the frequency table below.

| Length of Calls in Minutes | Number of Calls |           |
|----------------------------|-----------------|-----------|
|                            | Tally           | Frequency |
|                            |                 |           |
|                            |                 |           |
|                            |                 |           |
|                            |                 |           |
|                            |                 |           |
|                            |                 |           |
|                            |                 |           |
|                            |                 |           |

2. Make a line plot from the frequency table.



Use data from the line plot for exercises 3–4.

3. Where does most of the data cluster? What does this tell you?

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4. Where is the gap in the line plot? What does this tell you?

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