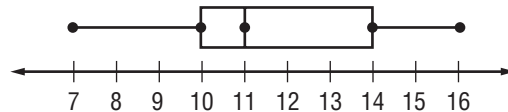# Lesson 4 Problem-Solving Practice

Descriptive Statistics

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1. The daily visitors to a carnival for one week in May are 125, 134, 132, 120, 145, 170, and 150. What is the mean number of visitors? Round to the nearest whole number. **139 visitors**

2. Carlos read a novel for language arts class. The minutes he read each night are 40, 45, 35, 50, 25, 35, 60, 55, 40, and 30. What is the median number of minutes Carlos read? **40 minutes**

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3. The ages, in years, of children at a birthday party are 10, 12, 9, 7, 10, 12, 14, 14, 10, and 16. What are the mean, median, mode, and range of ages? Round to the nearest tenth.

mean: 11.4, median: 11, mode: 10, range: 9

4. Latoya is saving to buy a digital camera. Her savings, in dollars, for the last eight weeks are 27, 35, 35, 32, 26, 34, 36, 27, and 38. Which is greater: Latoya's median weekly savings or Latoya's mean weekly savings? Explain.

median; Sample answer: The median is $34 and the mean is about $32.22. Since 34 > 32.22, the median is greater.

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5. Find the five-number summary of the data in Exercise 3. Draw a box plot to represent the data.

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6. What is a conclusion that can be drawn from the box plot in Exercise 5?
Sample answer: The top 50% of ages is more spread out than the bottom 50%.