Describing Distributions in Histograms

Read the text about each histogram below. Describe the distribution shown by calculating the mean, median, mode, and range. Then, write a sentence to describe the shape of the distribution shown in the histogram.

1. Paula has a swim meet coming up. She keeps track of the number of laps she swims in each 30-minute practice leading up to the meet.
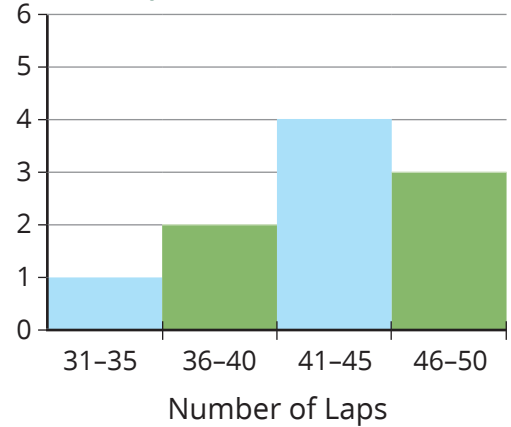
44   45   40   35   48   42   39   44   47   46

Laps Swam Each Practice

Mean = _____   Median = _____

Mode = _____   Range = _____

Shape: _____

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2. Bryson is a fan of live music. He wants to know if concerts are popular with his peers, so he asks his classmates how many concerts they have attended.
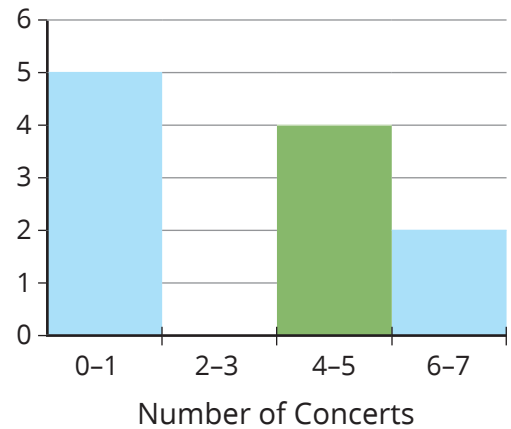
0   0   7   0   1   4   7   4   1   5   4

Concerts Attended

Mean = _____   Median = _____

Mode = _____   Range = _____

Shape: _____

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3. Dr. Jordan volunteers with a local environmental group studying lakes in Franklin County. Yesterday, she measured and recorded the water temperatures in the nearby lakes.
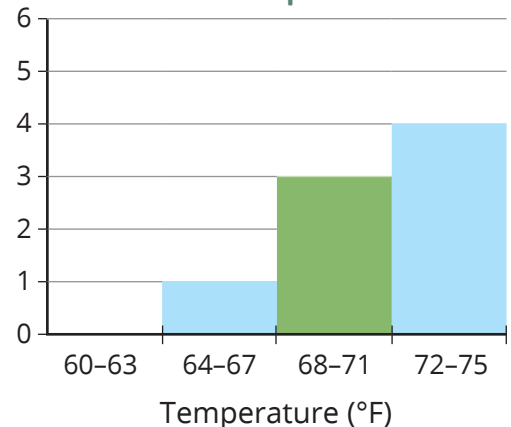
75   73   65   69   71   73   68   74

Water Temperature

Mean = _____   Median = _____

Mode = _____   Range = _____

Shape: _____

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Describing Distributions in Histograms

Keep going! Describe the distribution shown by calculating the mean, median, mode, and range. Then, write a sentence to describe the shape of the distribution shown in the histogram.

4. Miya grew several varieties of tomato plants. She records the total weight of the tomatoes grown on each plant.
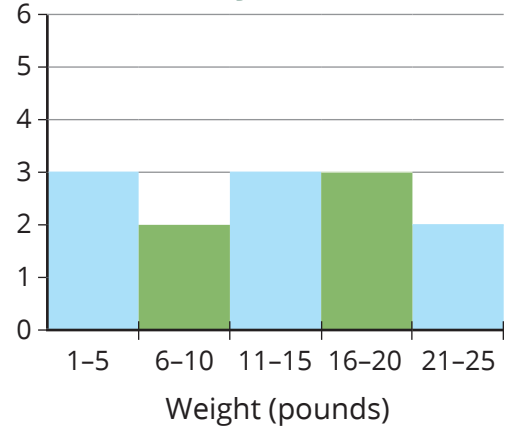
23 21 11 8 6 3 18 5 20 20 14 5 15

Mean = _____   Median = _____

Mode = _____   Range = _____

Shape: _____

Total Weight of Tomatoes

5. Austin is a snowboarder and dreams of competing in the Nor'easter Freestyle competition. He records the ages of the most recent Nor'easter Freestyle winners.
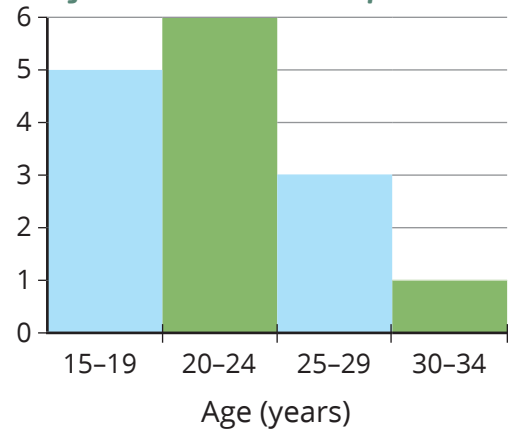
16 21 21 17 32 28 27 18 21 19 20 24 29 22 15

Mean = _____   Median = _____

Mode = _____   Range = _____

Shape: _____

Ages of Nor'easter Freestyle Winners

6. Gemma wants to know how often middle schoolers play video games. She surveys students in her homeroom and asks how many days they played video games last week.

3 3 4 7 0 1 2 5 4 4 7 2

Mean = _____   Median = _____

Mode = _____   Range = _____

Shape: _____

Days Playing Video Games Last Week

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