

American Math 6th Grade HW 29;

Dot Plots and Data Distribution

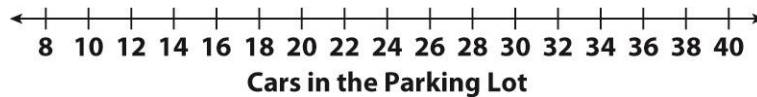
Use the data set at the right and the description below to complete Exercises 1–4.

The class counted the cars in the parking lot each hour from 9 A.M. to 4 P.M. for 3 days. The results are shown in the data set.

Cars in the Parking Lot

30, 22, 33, 22, 26, 24, 33, 8,
30, 33, 40, 28, 38, 30, 38,
33, 33, 28, 22, 28, 30

1. Make a dot plot of the data.



2. Find the mean, median, and range of the data. Show your work.

mean: _____

median: _____

range: _____

3. Describe the spread, center, and shape of the data distribution.

4. Which number is an outlier in the data set? Explain what effect the outlier has on the measures of center and spread.
