**How many pairs of shoes do you own?**





1. How many pairs of shoes do you own? Record your answer on the board.

2. Is “Number of pairs of shoes” a categorical or quantitative variable?

3. Enter the data at www.stapplet.com. Make a dotplot, stemplot, and histogram and sketch each below.

4. List the mean and median of the distribution. Which value do you think is a more appropriate measure of center? Explain.

5. Describe the distribution of the number of pairs of shoes for your class.

Shape:

Outliers:

Center:

Variability (spread):

6. Which of the three types of display do you prefer? Why?

Displaying Quantitative Data

Important Ideas:

Check Your Understanding:

1. Mr. Wilcox is a huge fan of University of Michigan football. His favorite season was the 1997 season (a perfect season!). The dotplot shows the number of points scored by the U of M team in the 12 games that season.

A picture containing table

Description automatically generated

1. Use the dotplot to create a stemplot of the distribution.
2. Describe the shape of the distribution.
3. Are there any potential outliers? Why?
4. What measure of center is most appropriate to describe the distribution? Explain.