

A fourth way to answer statistical questions - ~~range~~/spread

Connect

The class size for 8 classrooms is shown below:
14, 22, 24, 25, 25, 28, 32, 34

Answer the statistical questions "how many students are in classes at this school" by finding the mean, median, and mode

Median

"half of the classes have 25 or more, half have 25 or less

Mode
"most"

more classes have 25 than any other number

"difference of 20 between

Range/Spread

"classes have between 14 students"

range
spread
20.

I do

Timmons	Alice	F	Secretary	\$22,500.00
Williams	Carol	F	Sales Rep	\$22,900.00
Williams	Jessica	F	Sales Rep	\$22,500.00
Savage	John	M	Worker	\$22,000.00
Albright	Jackeline	F	Secretary	\$27,000.00
Crosby	Julian	M	Manager	\$27,000.00
Jenkins	David	M	Manager	\$27,000.00
Thomas	Rita	F	Manager	\$27,000.00
Crawford	Marck	M	Manager	\$40,500.00
Jenkins	George	M	Manager	\$32,000.00
Perry	Karl	M	Worker	\$37,100.00
Sawyer	John	M	Sales Rep	\$31,500.00

How much money do workers at this company earn each year?

Range/Spread

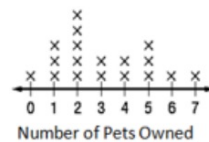
"There is a range/spread of \$18,500"

"There is a difference of 18,500 between the highest and lowest salaries"

"The salaries range from \$22,000 up to \$40,500."

We do

Hiram asked his math class "How many pets do you own?" He graphed the results on the line plot.



How many pets do students in Hiram's class own?

Range/Spread

"Students have between 0 and 7 pets"

"There is a difference of 7 between the student with the most pets and the student with the fewest."

You do together on whiteboard

Cindy was using her cell phone app to record the wait time for various rides at an amusement park. Below are the times that she recorded in minutes.

20, 34, 40, 41, 50, 50, 53, 56, 57, 58, 64, 70

How long are the lines for rides at this park? Answer by finding and explaining the range.

You do alone on index card

Tierney raises ponies. The heights, in centimeters, of Tierney's ponies are listed below.

90, 98, 96, 95, 95, 97, 96, 99, 91, 93, 98, 96, 97, 95, 96

**How tall are Tierney's ponies?
Answer by finding and
interpreting the range.**