

GUIDED NOTES: TEACHER GUIDE

12, 8, 22, 16, 15, 19, 9, 13, 20, 19, 4

$$\frac{\text{sum of all data}}{\text{how many data points}} = \frac{157}{11} = \boxed{15.7}$$

12, 8, 22, 16, 15, 19, 9, 13, 20, 19, 4

4, 8, 9, 12, 13, 15, 16, 19, 19, 20, 22

19

RANGE

Difference between the greatest value and the smallest value.

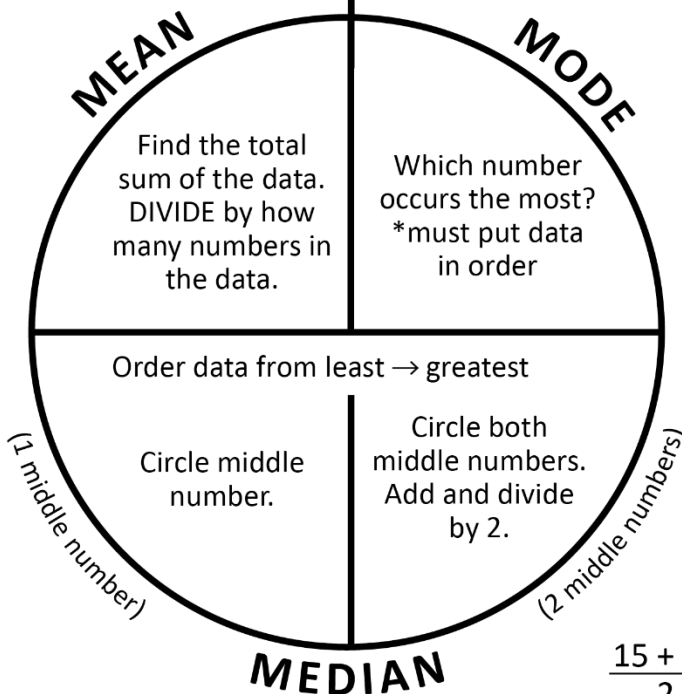


Max. - min.
22 - 4 = **18**

15

4, 8, 9, 12, 13, **15**, 16, 19, 19, 20, 22

12, 8, 22, 16, 15, 19, 19, 13, 20, 19, 4



MODE

Which number occurs the most?
*must put data in order

MEAN

Find the total sum of the data.
DIVIDE by how many numbers in the data.

Order data from least → greatest

Circle middle number.
(1 middle number)

Circle both middle numbers.
Add and divide by 2.
(2 middle numbers)

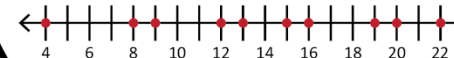
MEDIAN

$$\frac{15 + 16}{2} = \boxed{15.5}$$

OUTLIERS

What data point does not match?

*Not all data sets have an outlier

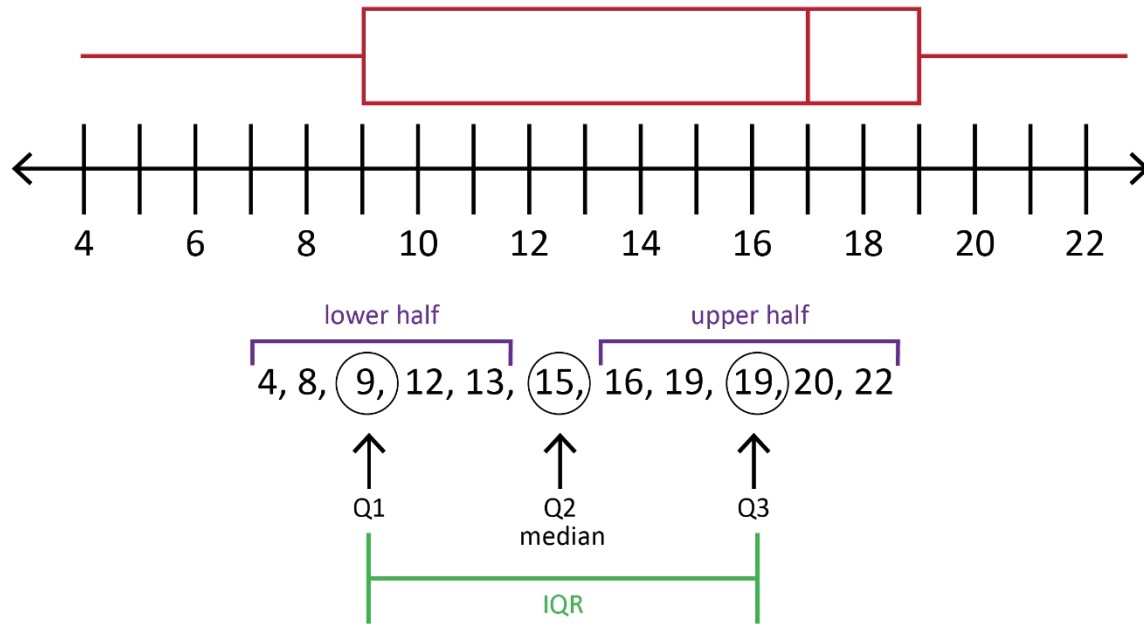


4

8, 9, 12, 13, **15, 16**, 19, 19, 20, 22

12, 8, 22, 16, 15, 19, 9, 13, 20, 19

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Q1	Median of lower half of data
Q2	Median of the data
Q3	Median of upper half
IQR	Range from Q1 to Q3
*Always include least and greatest data points to create the whiskers.	