

Statistics Concept Review

11	21	34	21	18	41	11	38	21
16	11	26	12	22	12	21	12	15

Mean- Is the average of a data set. Add all the numbers up and divide by how many numbers there are.

$$\begin{aligned}
 & (11 + 21 + 34 + 21 + 18 + 41 + 11 + 38 + 21 + 16 + 11 + 26 + 12 + 22 + 12 + 21 + 12 + 15) \div 18 \\
 & = 363 \div 18 \\
 & = 20.16
 \end{aligned}$$

Median- Is the middle number of a data set when the values are arranged from smallest to largest or largest to smallest.

11 11 11 12 12 12 15 16 18 21 21 21 21 22 26 34 38 41

$$= (18 + 21) \div 2$$

$$= 19.5$$

Mode- Is the number that occurs the most often.

$$\text{Mode} = 21$$

Range - Is the difference between the largest and smallest numbers.

$$= 41 - 11$$

$$= 30$$