

Question #65393, Math / Statistics and Probability

The 15 stocks had the following percentage changes in value over the past year:

3 0.6 -5 -2

5 -18 20 14 18

-10 10 50 -20 18

Compute the range, median, 20th percentile, inter-quartile range.

Answer.

Range $r = 70$.

Median $M = 5$.

20th percentile $P_{20} = \frac{-10+(-5)}{2} = -7.5$.

$IQR = 18 - (-5) = 23$.