

Brilliance Tuition Centre, Redbank Plains

MATHS WORKSHEETS- STATISTICS- CALCULATE THE MEAN, MEDIAN, MODE AND RANGE

Find the mean, median, mode and range for the following sets of scores:

| | | |
|---|---|-------------------------------------|
| 1 | 17, 25, 31, 11, 15, 16, 19, 10, 14, 11 | Mean: Median: Mode: Range: |
| 2 | 10, 10, 12, 12, 12, 13, 14, 16 | Mean: Median: Mode: Range: |
| 3 | 4, 4, 5, 5, 5, 7, 9, 10, 15, 2, 14, 3, 2, 5 | Mean: Median: Mode: Range: |
| 4 | 3, 6, 7, 7, 7, 9, 1, 5, 4, 5, 5, 7, 9, 3, 3 | Mean: Median: Mode: Range: |
| 5 | 24, 24, 26, 27, 29, 23, 21, 27, 26, 20, 22, 24, 28 | Mean: Median: Mode: Range: |
| 6 | 15, 10, 10, 12, 11, 11, 13, 12, 12, 16, 9, 6, 6, 7, 5 | Mean: Median: Mode: Range: |
| 7 | 6, 6, 6, 6, 6, 8, 8, 9, 10, 10, 7, 7, 8, 8, 8 | Mean: Median: Mode: Range: |
| 8 | 2, 2, 3, 7, 7, 9, 6, 6, 5, 4, 3, 6, 8, 9 | Mean: Median: Mode: Range: |

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Answer Key (Hints):

1. Mean or Average= (add all the numbers \div how many numbers)
2. Median: First order the sets of numbers from smallest to largest. Median = middle number of the sequence.
Median of 7, 6, 3, 5, 8, 9 is 6.5 Median of 7, 6, 3, 5, 8 is 6
If there are two middle numbers, take their average.
3. Mode: Number that occurs most.
4. Range: Highest number- Lowest number

Answer Key:

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|---|---|---|--|
| 1 | Mean: 16.9 Median: 15.5 Mode: 11 Range: 21 | 5 | Mean: 24.69 Median: 24 Mode: 24 Range: 9 |
| 2 | Mean: 12.375 Median: 12 Mode: 12 Range: 6 | 6 | Mean: 10.33 Median: 11 Mode: 12 Range: 11 |
| 3 | Mean: 6.43 Median: 5 Mode: 5 Range: 13 | 7 | Mean: 7.53 Median: 8 Mode: 8, 6 Range: 4 |
| 4 | Mean: 5.4 Median: 5 Mode: 7 Range: 8 | 8 | Mean: 5.5 Median: 6 Mode: 6 Range: 7 |