

Maths Workout - Statistics & Probability

| Topic 3 - Mean, Median, Mode & Range | | | | |
|--|---|---|---|---|
| Target 1 | Target 2 | Target 3 | Target 4 | Target 5 |
| <i>Introduction to Averages</i> <i>Identify the mode of a set of raw data</i> | <i>Work out the median of a set of raw data</i> | <i>Calculate the mean of a set of raw data</i> <i>Solve problems with the mean</i> | <i>Calculate the range of a set of raw data</i> | <i>Summary of the uses of mean, median and mode</i> <i>Solve problems on mean, median, mode and range</i> <i>Compare sets of data</i> |
| 1. Know the 3 types of average | 1. Identify the median of an ordered data set: odd number of data items | 1. Demo: Know how to calculate the mean of a raw data set | 1. Calculate the range of a set of ordered raw data | 1. Demo: <i>Summary of the uses of mean, median and mode</i> |
| 2. Identify the mode of a set of raw data set by inspection | 2. Identify the median of a data set by ordering: odd number of data items | 2. Calculate the mean of a raw data set: whole answers | 2. Calculate the range of a set of raw data | 2. Sort a raw data set, then calculate the mean, median, mode and range |
| 3. Identify the mode of a set of raw data set by sorting | 3. Demo: Identify the median of a raw data set: even number of values | 3. Calculate the mean of a raw data set: exact decimal answers | 3. Calculate the range of a set of raw data by sorting | 3. Calculate the mean, median, mode and range of a data set in context |
| 4. Identify the mode of a set of raw data set by sorting | 4. Identify the median of a data set by ordering: even number of data items | 4. Calculate the mean of a raw data set | 4. Calculate the range of a set of raw data by sorting | 4. Calculate the mean, median, mode and range of a data set in context |
| 5. Identify the mode of a set of raw data set by sorting | 5. Identify the median of a data set by ordering | 5. Calculate the mean of a raw data set | 5. Calculate the range of a set of raw data by sorting | 5. Solve a problem involving mean, median and range |
| 6. Identify the mode of a set of raw data set by inspection | 6. Speed Response: Identify a matching median and data set | 6. Calculate the mean of data in a bar chart | 6. Calculate the range from data in a bar chart | 6. Solve a problem involving mean, median and range |
| 7. Identify the mode from data in a bar chart. | | 7. Solve a problem involving mean | 7. Speed Response: Identify a matching range and data set | 7. Solve a problem involving mean, median and range |
| | | 8. Solve a problem involving mean | 8. Speed Response: Identify a matching range and data set | 8. Compare two data sets by considering their mean, median and range |
| | | 9. Solve a problem involving mean | | 9. Compare two data sets by considering their mean, median and range |
| | | 10. Solve a problem involving mean | | 10. Compare two data sets by considering their mean, median and range |
| | | | | 11. Compare two data sets by considering their mean, median and range |
| | | | | 12. Compare two data sets by considering their mean, median and range |