

Averages, Frequency Tables and Data Interpretation

Year 7 · Statistics · y7-stat

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. Find the mean of these numbers: 4, 6, 8, 10, 12.

2. Find the median of these numbers: 3, 7, 5, 9, 1.

3. Find the mode of this data set: 2, 3, 3, 5, 3, 7.

4. Find the range of this data set: 12, 5, 19, 8, 15.

5. A pie chart shows favourite sports for 60 pupils: Football 50%, Swimming 25%, Tennis 25%.
How many pupils chose Football?

6. Add all the values, then divide by how many values there are. Find the mean of 5, 9, 13, 17, 21.

7. Order the data from smallest to largest before finding the middle value. Find the median of 8, 2, 6, 10, 4.

8. The mode is the value that appears most often, not how many times it appears. Find the mode of 4, 6, 6, 6, 9, 2.

Challenge

1. The mean of 5 numbers is 12. Four of the numbers are 8, 14, 10, 16. Find the fifth number.

2. A scatter graph shows no clear pattern between two variables. What type of correlation is this?