

Arithmetic Mean



ADVANCED

Name: _____

Date: _____

Score: ____/____

Key Formula: Mean = Sum of all observations ÷ Number of observations | Range = Highest value – Lowest value

Section A: Higher-Order Thinking

Q1. The mean of 8 numbers is 35. Three of the numbers are 28, 42 and 50.

The remaining five numbers are equal. Find the value of each of the remaining numbers. (4 marks)

Q2. The mean of 10 observations is 45. If the observation 75 is replaced by 45, find the new mean. (4 marks)

Q3. A student's mean score after 4 tests is 72. After the 5th test his mean rises to 74.

What did he score in the 5th test? (4 marks)

Q4. The mean of 50 observations is 38. It is later found that an observation **87** was wrongly read as **37**.

Find the correct mean. (4 marks)
