

Arithmetic Mean



ADVANCED

Name: _____

Date: _____

Score: ____/____

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

Section A: Weighted / Combined Mean

Q1. Class A has 30 students with a mean score of 65.

Class B has 20 students with a mean score of 70.

Find the combined mean score of all 50 students. (5 marks)

Q2. The mean salary of 20 workers in a factory is ■8,500. The manager's salary is ■15,000.

Find the mean salary of all 21 people including the manager. (5 marks)

Q3. The mean of 9 numbers is 54. The mean of the first 4 numbers is 50 and the mean of the last 4 numbers is 60. Find the 5th number. (5 marks)

Q4. Justify with an example: 'Adding the same constant k to each value in a data set increases the mean by k , but does not change the range.' (4 marks)
