

Arithmetic Mean

● MEDIUM

Name: _____

Date: _____

Score: ____/____

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

Section A: Multi-step Problems

Q1. Two groups of students appeared for a test.

Group A (5 students): **68, 74, 80, 59, 72**

Group B (5 students): **55, 90, 63, 78, 82**

(a) Find the mean of each group.

(b) Which group performed better on average?

(c) Find the overall mean if both groups are combined. (4 marks)

Q2. If the mean of observations **a, b, c** is **M**, what is the mean of

a+3, b+3, c+3? Show your working and explain the result. (3 marks)

Q3. The mean of 5 numbers is 24. If one number is removed, the new mean becomes 22.

What was the removed number? (3 marks)
