

Averages from Tables

Name:

Date:

INQUIRY

If the mean temperature in Nanjing is 16C, does that mean every day is 16C? How do we calculate mean from grouped data?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Mean from table	Sum of (frequency x value) / total frequency.
Modal class	The group with the highest frequency.
Estimated mean	Uses midpoints for grouped data.

Part A — From Tables

1. Scores: 1(x3), 2(x5), 3(x8), 4(x4). Find the mean. [3 marks]

Show your working:

2. Grouped: 0-9(x4), 10-19(x7), 20-29(x5), 30-39(x2). Find estimated mean using midpoints. [3 marks]

Show your working:

Part B — Application

3. Daily steps for a Korean fitness tracker: Mon 8200, Tue 6500, Wed 9100, Thu 7800, Fri 11000, Sat 5400, Sun 6300. Find mean, median, range. [4 marks]

Show your working: