

Averages

Name:

Date:

INQUIRY

The average temperature in Nanjing is 16C, Seoul is 13C, Berlin is 10C. But what does 'average' actually mean here?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Mean	Add all values, divide by how many.
Median	Middle value when ordered.
Mode	Most frequent value.
Range	Highest minus lowest.

Part A — Calculating

1. Find the mean, median, mode, and range: 5, 8, 3, 8, 6, 10, 8. [4 marks]

Show your working:

2. January temperatures in Seoul (C): -8, -5, -3, -7, -5, -2, -5. Find mean, median, mode. [4 marks]

Show your working:

Part B — Application

3. NIS test scores: 72, 85, 68, 91, 74, 88, 85, 79. (a) Find mean. (b) Find median. (c) Which better represents the class? [4 marks]

Show your working:

4. A German student's marks: 3, 5, 7, 2, 4 (German grading 1-6, 1=best). Find mean. Is this good or bad in the German system? [3 marks]

Show your working: