

Collecting Data

Name:

Date:

INQUIRY**NIS wants to know students' favourite school lunch. How would you collect this data fairly?**

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Data	Facts and figures collected for analysis.
Tally chart	Uses marks to count frequency.
Frequency	How often something occurs.
Survey	Questions asked to collect data.

Part A — Types of Data

1. Classify as qualitative or quantitative: (a) favourite colour (b) height (c) shoe brand (d) test score (e) birthplace. [3 marks]
2. Classify as discrete or continuous: (a) number of siblings (b) weight (c) shoe size (d) time to run 100m. [2 marks]

Part B — Collecting

3. Design a data collection sheet (tally chart) to record favourite cuisine among NIS students. Include at least 5 options (Chinese, Korean, German, Japanese, Other). [4 marks]

Part C — Bias

4. A student surveys only their friends about favourite music. Why is this biased? How would you collect data more fairly? [3 marks]