

Statistical Diagrams

Name:

Date:

INQUIRY

South Korea produces 15% of the world's semiconductors. How do you show this visually?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Scatter graph	Shows relationship between two variables.
Correlation	Positive, negative, or none.
Stem-and-leaf	Organises data showing individual values and distribution.

Part A — Scatter Graphs

1. Hours studied: 2,4,1,5,3,6,2,4,3,5. Test scores: 55,72,42,85,65,90,50,78,60,82. (a) Describe the correlation. (b) Estimate the score for someone who studied 3.5 hours. [4 marks]

Part B — Stem and Leaf

2. Data: 23,35,41,28,37,45,29,33,47,38,25,42,31,36,44. Draw an ordered stem-and-leaf diagram. Find median and range. [4 marks]