

Name: _____

Date: _____

Score: _____ / 17

Reading & Interpreting Graphs

Reading bar and line graphs, choosing scales, and finding mean, median, mode and range.

Week data	Mean	Median	Range
Mon 14 Tue 22 Wed 18 Thu 26 Fri 20	add ÷ how many	middle value when ordered	largest - smallest

Section A — Read the Data

Use the week data in the box.

- Which day had the most?
- Which day had the fewest?
- What is the total for the week?
- How many more on Thursday than Monday?
- How many on Tuesday and Friday together?
- What is the mean per day?

Section B — Scales

Read the value.

- A scale counts by 5. A bar at 45 stands for _____
- A scale counts by 10. A bar at 120 stands for _____
- A scale counts by 2. A bar at 17 stands for _____
- A scale counts by 25. A bar at 175 stands for _____

Section C — Choosing a Graph

Explain your choice.

- Line graph or bar graph for temperature each hour?
- Line graph or bar graph for favourite sports?
- What must every graph have?
- Why can a misleading scale be a problem?

Section D — Mean, Median, Mode & Range

Work each one out.

- Range of the week's data = _____
- Median of 14, 22, 18, 26, 20 = _____
- Mode of 3, 7, 7, 9, 12 = _____

Reading & Interpreting Graphs — Answer Key

For marking. Accept equivalent correct forms.

Section A — Read the Data

- | | | |
|--------|--------|--------|
| 1. Thu | 2. Mon | 3. 100 |
| 4. 12 | 5. 42 | 6. 20 |

Section B — Scales

- | | | |
|---------|--------|-------|
| 7. 45 | 8. 120 | 9. 17 |
| 10. 175 | | |

Section C — Choosing a Graph

- | | |
|--|--|
| 11. line graph | 12. bar graph |
| 13. a title, labelled axes and a scale | 14. It can make differences look bigger or smaller than they are |

Section D — Mean, Median, Mode & Range

- | | | |
|--------|--------|-------|
| 15. 12 | 16. 20 | 17. 7 |
|--------|--------|-------|
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