Sheet 15: Reading Line Graphs

Worked example:

Max tracked the temperature in the garden. At 9:00 am, the line shows the temperature was 4°C. At 10:00 am, the line rises to 6°C. How much did the temperature increase?

Answer: It increased by 2°C (6°C - 4°C = 2°C).

• Look at the line graph showing Nova's hourly temperature checks. At 12:00 pm, the point is at 10°C. At 1:00 pm, the point is at 12°C. What is the temperature at 1:00 pm?

12°C

• Using the same graph, the temperature at 2:00 pm dropped to 9°C. How many degrees did it fall from 1:00 pm to 2:00 pm?

3°C

• Max observes the temperature at 3:00 pm is 11°C. If the temperature at 2:00 pm was 9°C, did the temperature rise or fall?

Rise

• Look at the graph line. Which hour has the highest point on the graph?

1:00 pm

• What is the difference in temperature between the highest point (12°C) and the lowest point (9°C)?

3°C

Self-check: Check your answers by looking at the grid lines on the graph to ensure your numbers match the height of each plotted point.

Ready for next: You have mastered fractions, percentages, and geometry; you are now ready to start the next level of your maths journey!