

READING A GRAPH QUALITATIVELY

Today's goal: I can describe qualitatively the functional relationship between two quantities by analysing a graph, including where the function is increasing or decreasing, linear or non-linear and sketch a graph that exhibits the qualitative features of a function that has been described verbally.



MEDIUM

Digit the Fox: Stretch your brain.

- 1 Sketch a graph for: “stays still for a while, then rises steadily, then falls quickly.”

Answer



SPICY

Blaze the Dragon: Bring the heat!

- 2 A distance-time graph rises steeply, then is flat, then rises less steeply. Describe the journey in words.

Answer

- 3 Kai says the flat part means she was walking on level ground. Explain what it actually means.

Answer



EXTRA SPICY

Pi the Owl: Big-brain challenge.

- 4 A graph rises by 6, then 3, then 1 over equal time steps. Is it increasing or decreasing? Linear or not?

Answer



I can do this skill: ☐ Not yet ☐ Almost ☐ Got it!