



Reading a graph in words

No numbers needed

- Today: what the SHAPE tells you, and what it does not.

A graph is not a map

- Distance against time, rising steeply then flat then rising.

Flat does NOT mean level ground. It means stopped.

Read the axes first

- Across: time. Up: distance from home.
- Flat = time passing, distance unchanged.

Steeper means faster

- Leg 1: 8 km in 2 hours $\rightarrow$ 4 km/h.
- Leg 3: 3 km in 3 hours $\rightarrow$ 1 km/h.

Both climb. One climbs faster.

Flattening is still INCREASING

- Up 6, then 3, then 1.
- Slowing down, never going back.

Decreasing means the value FALLS. This never falls.

Linear or not

- Same steepness throughout $\rightarrow$ linear.
- Steepness changing $\rightarrow$ not linear.

Sketching from words

- “Rises quickly, then levels off.”
- Steep, then bending flatter.

No scale. No points. The SHAPE is the answer.

Your turn

- Sketch: “stays still, then rises steadily, then falls fast.”

Flat, then straight up, then steeply down.