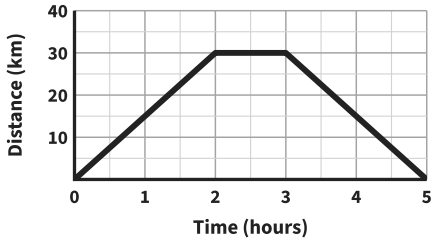
Distance-time graphs

1

Find the speed on the way out.



distance = 30 km

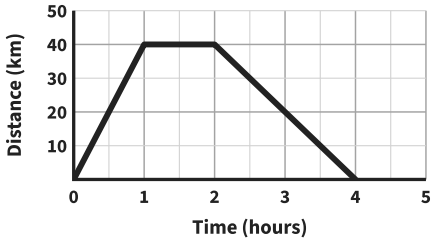
time = 2 hours

speed = 30 ÷ 2

Speed (km/h) _____

2

Find the speed on the way back.



distance = 40 km

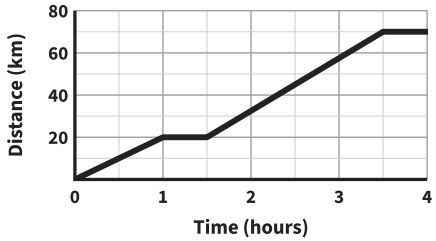
time = 2 hours

speed = _____

Speed (km/h) _____

3

Find the speed from 1.5 to 3.5 hours.



distance = 50 km

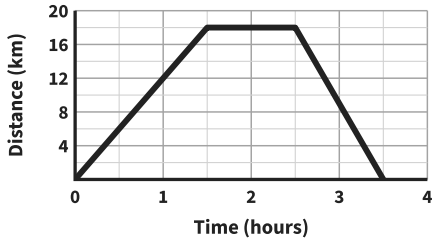
time = _____

speed = _____

Speed (km/h) _____

4

Find the speed on the way out.



distance = _____

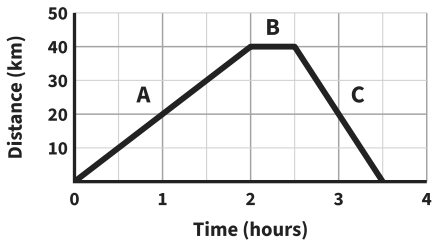
time = _____

speed = _____

Speed (km/h) _____

5

Which part, A, B or C, is the fastest?
Work out its speed.



_____

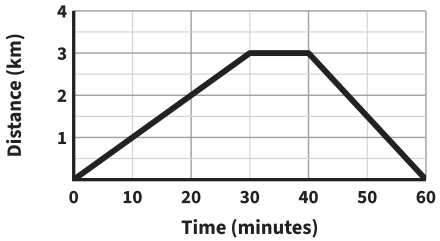
speed = _____

Part _____

Speed (km/h) _____

6

Mia walks to the shops and back.
Find her speed on the way there, in km/h.



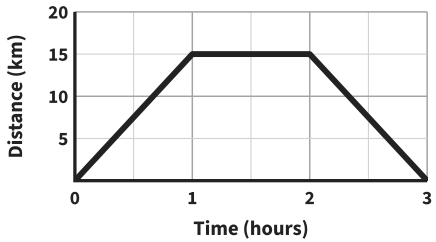
time = _____

speed = _____

Speed (km/h) _____

7

Tom says he cycled at a steady speed from 1 to 2 hours, as the line is flat.
Explain why Tom is wrong.

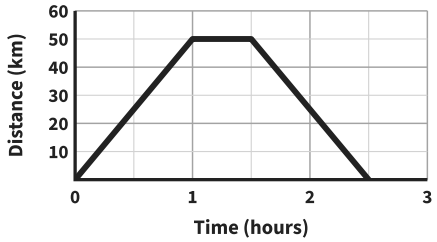


_____

Speed (km/h) _____

8

A van stops at a warehouse.
How many minutes does it stop for?
Find its speed on the way back.



stop = _____

speed = _____

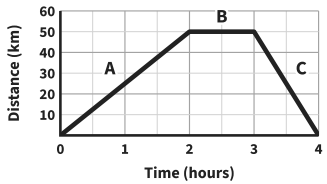
Stop (minutes) _____

Speed back (km/h) _____

Distance-time graphs *further practice*

9

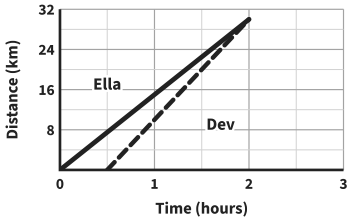
Find the speed in part A and in part C.



Answer _____

10

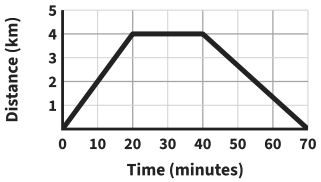
Ella and Dev cycle the same path from home. Dev sets off later.
Who cycles faster?
Show how you know.



Answer _____

11

Noor cycles to the library and back.
Find her speed on the way home, in km/h.



Answer _____

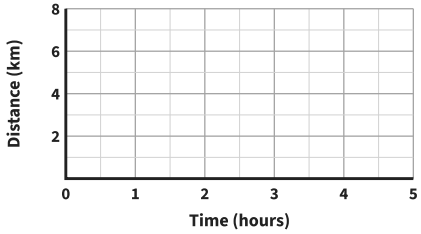
12

A train travels 90 km in 45 minutes.
Find its speed in km/h.

Answer _____

13

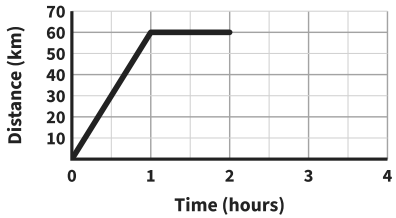
Kim walks 6 km from home in 2 hours.
She stops for 1 hour, then walks home in 1.5 hours. Draw her distance time graph.



Answer _____

14

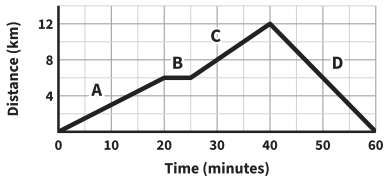
Pat drives to a garden centre.
After the stop, Pat drives home at 40 km/h.
Complete the graph. How many hours after setting off does Pat get home?



Answer _____

15

The graph shows a bus journey.
Which part is the fastest? Work out its speed in km/h.



Answer _____

16

Zak walks 4 km in 30 minutes.
He says his speed is 4 ÷ 30, which is less than 1 km/h. Explain his mistake.
Find his speed.

Answer _____