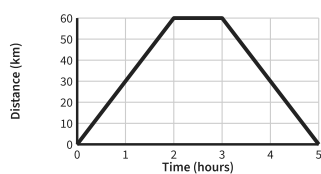


Speed and graphs



1

The graph shows a coach journey. Find the speed of the coach for the first 2 hours.



Distance km

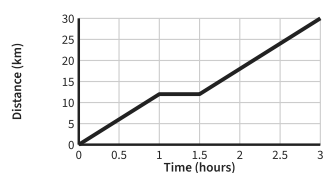
Time hours

Speed ÷ = km/h

Answer

2

The graph shows a cycle ride. Find the speed for the last part of the ride.



Distance km

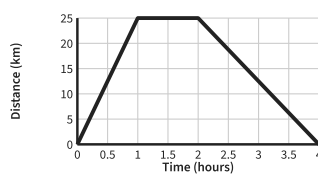
Time hours

Speed ÷ = km/h

Answer

3

The graph shows a boat trip out and back. Find the speed of the boat on the way back.



Distance km

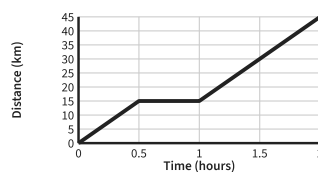
Time hours

Speed ÷ = km/h

Answer

4

The graph shows a bus journey. Find the speed of the bus after its stop.

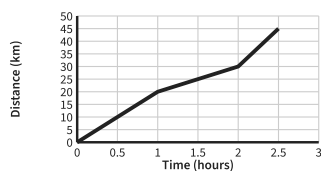


Speed ÷ = km/h

Answer

5

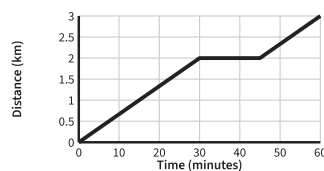
The graph shows a journey in three parts. Find the greatest speed during the journey.



Answer

6

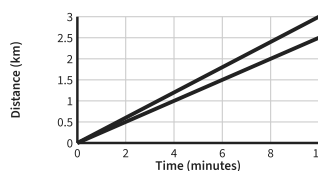
The graph shows a walk. Find the speed for the first 30 minutes in km/h.



Answer

7

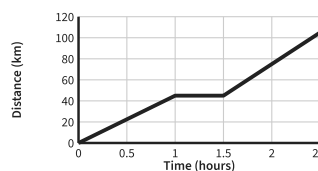
The graph shows two runners, A and B, in the first 10 minutes of a race. How much faster than A is B, in km/h?



Answer

8

The graph shows a car journey with a stop. Find the average speed for the whole journey, including the stop.



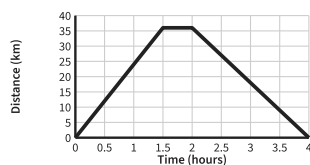
Answer

Speed and graphs *further practice*



9

The graph shows a ferry crossing and its return. Find the speed of the ferry on the way back.



Answer

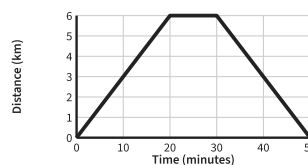
10

A car travels at 48 km/h for 15 minutes, then stops for 15 minutes. How far has it gone after 30 minutes? Describe the graph of distance against time for the stop.

Answer

11

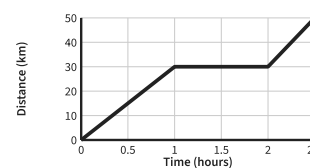
The graph shows a cycle ride to a shop and home again. Find the speed on the way to the shop in km/h.



Answer

12

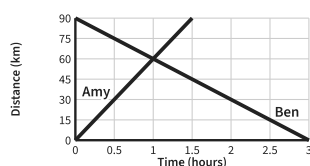
The graph shows a journey. How long was the stop, and what was the speed after it?



Answer

13

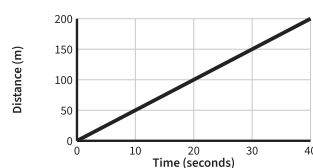
Amy and Ben travel towards each other on the same road. The graph shows their distances from Amy's start. When do they meet, and how far from Amy's start?



Answer

14

The graph shows a cyclist. Find the speed in m/s, then in km/h.



Answer

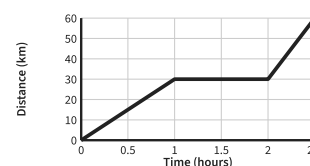
15

The graph of a train's journey is a straight line from (0, 0) to (2.5, 200), with time in hours and distance in km. At the same speed, how long would it take to travel 140 km?

Answer

16

Ella says the average speed for this journey is the mean of the speeds of its three parts. Explain her mistake and find the average speed.



Answer