Q1. (2020)

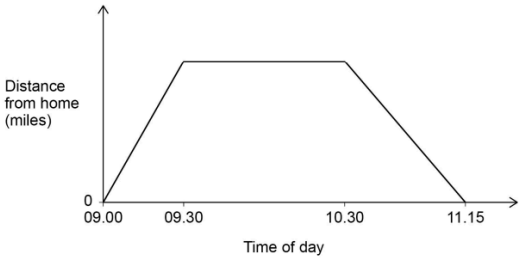
25 Chris visits a library.

He cycles to the library in half an hour at a speed of 12 miles per hour.

He stays at the library for one hour.

He then cycles home.

The sketch graph represents his visit.



Work out the speed, in miles per hour, at which Chris cycles home.

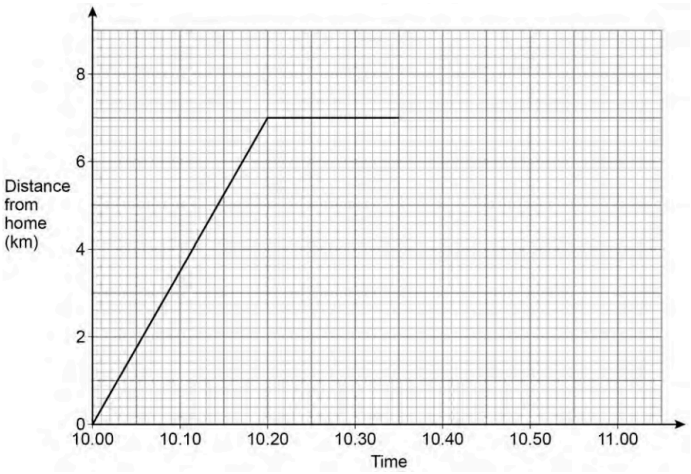
[3 marks]

Answer _____ mph

Q2. (2023)

6 Scarlett leaves home at 10.00 to cycle to the supermarket.

Here is part of a distance-time graph of her trip to the supermarket.



(A)

6 (a) She arrives at the supermarket at 10.20

How far is the supermarket from her home?

[1 mark]

Answer _____ km

(B)

6 (b) She leaves the supermarket at 10.35

How long does she stay at the supermarket?

[1 mark]

Answer _____ minutes

(C)

6 (c) Scarlett cycles home at a constant speed using the same route.
It takes her 3 minutes longer than her journey to the supermarket.

Complete the distance-time graph.

[2 marks]