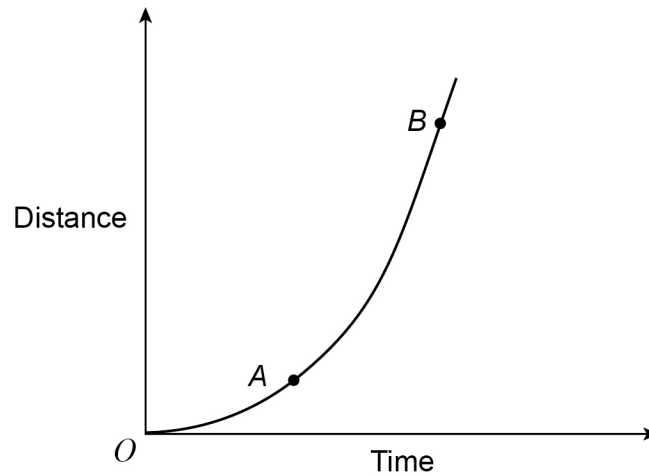


1 Here is a sketch of a distance-time graph.



Which of these represents the average speed between A and B?

Tick **one** box.

[1 mark]

☐

The gradient of the tangent at A

☐

The gradient of the tangent at B

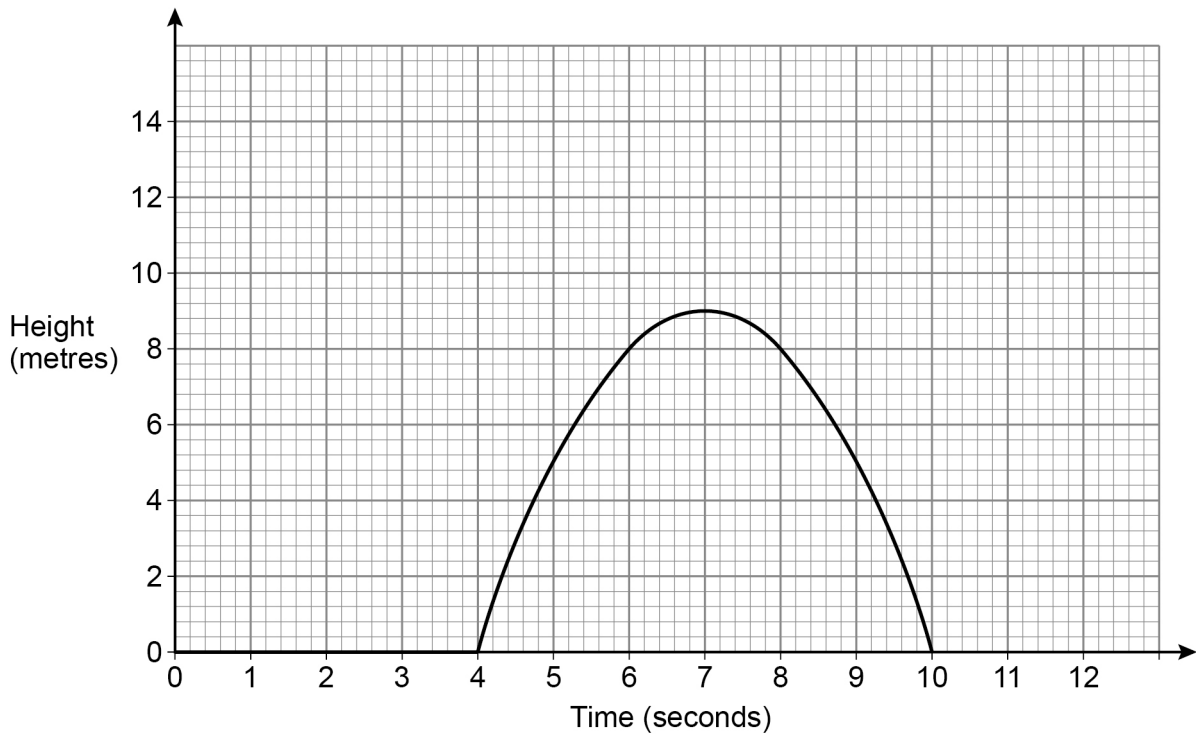
☐

The gradient of the chord from A to B

☐

The gradient of the chord from O to B

- 2** The graph shows the height above ground of a toy rocket for 10 seconds.



- 2 (a)** For how long is the rocket in the air?
Circle your answer.

[1 mark]

10 seconds

9 seconds

6 seconds

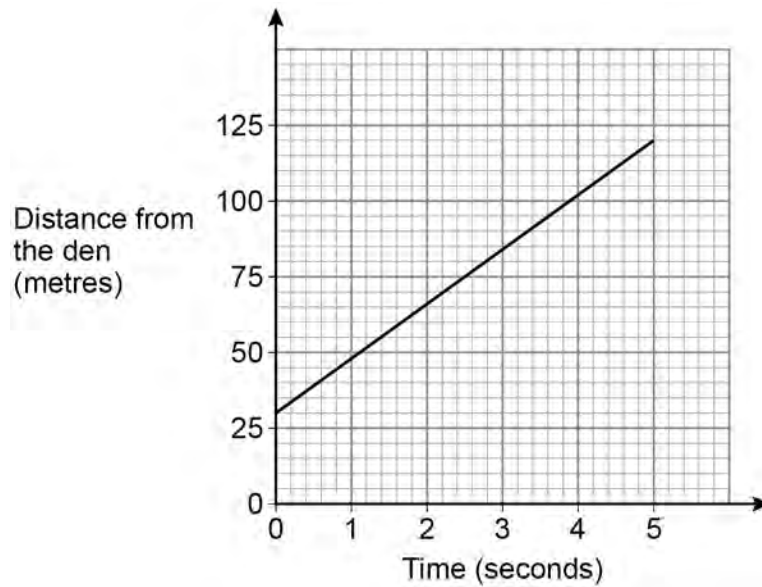
4 seconds

- 2 (b)** Using the graph, estimate the speed of the rocket after 6 seconds.
State the units of your answer.

[3 marks]

Answer _____

- 3** A lion is sprinting in a straight line away from its den.
The graph shows the lion's distance from the den.



Work out the speed of the lion in metres per second.

[3 marks]

Answer _____ m/s