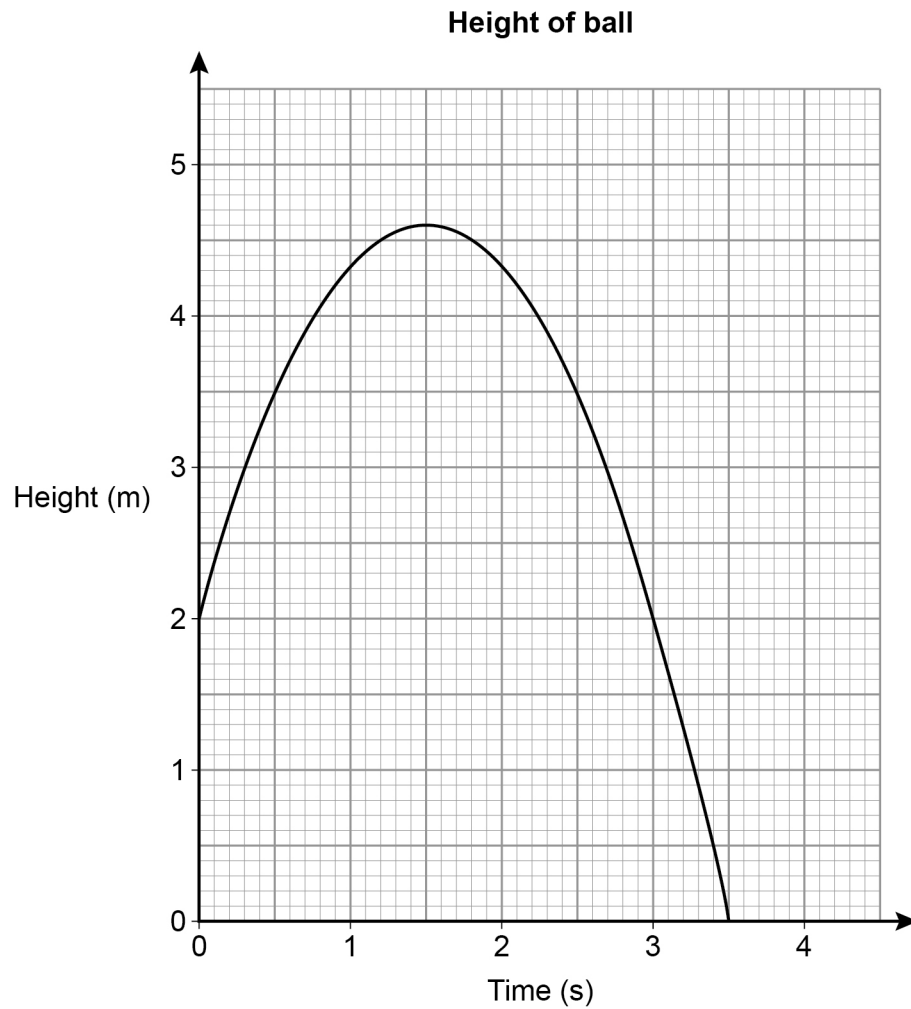


- 17 A ball is thrown vertically upwards.
The graph shows the height of the ball above the ground after it is thrown.



- 17 (a) For how many seconds is the ball at a height of **more than** 2 metres?

[1 mark]

Answer _____ s

- 17 (b) After how many seconds is the ball at instantaneous rest when it is in the air?

[1 mark]

Answer _____ s



17 (c) Work out the average speed of the ball when it is moving downwards.

[2 marks]

Answer _____ m/s

18 The solution of $3^x = 300$ lies between two consecutive integers.
Work out the two integers.

[1 mark]

Answer _____ and _____

Turn over for the next question

