1 The graph shows how much Molly is paid for working for up to 40 hours.
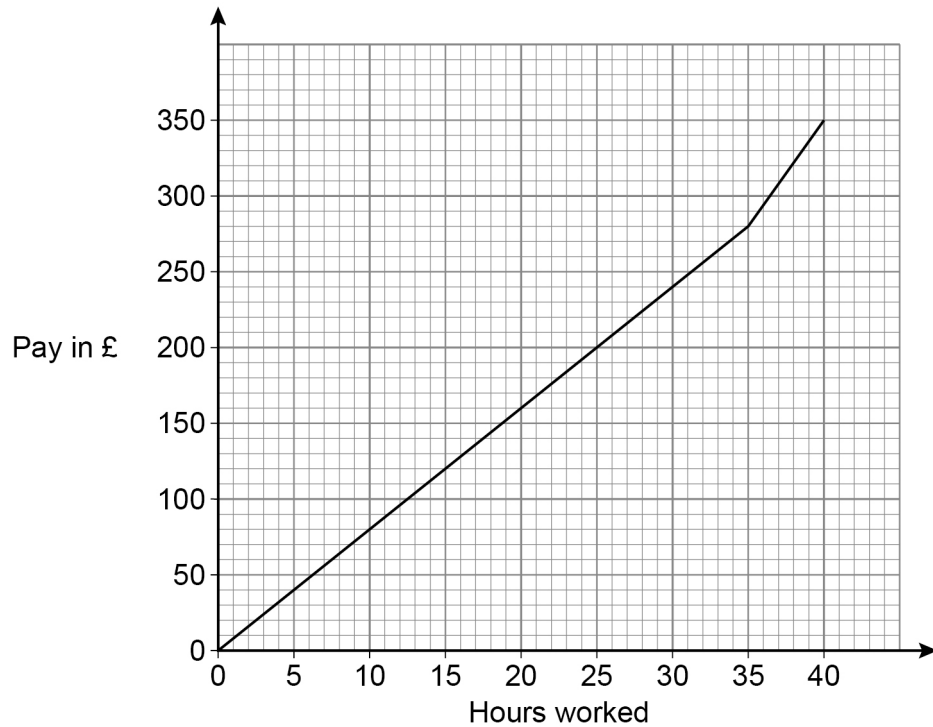
She receives

a basic rate of pay for the first 35 hours worked

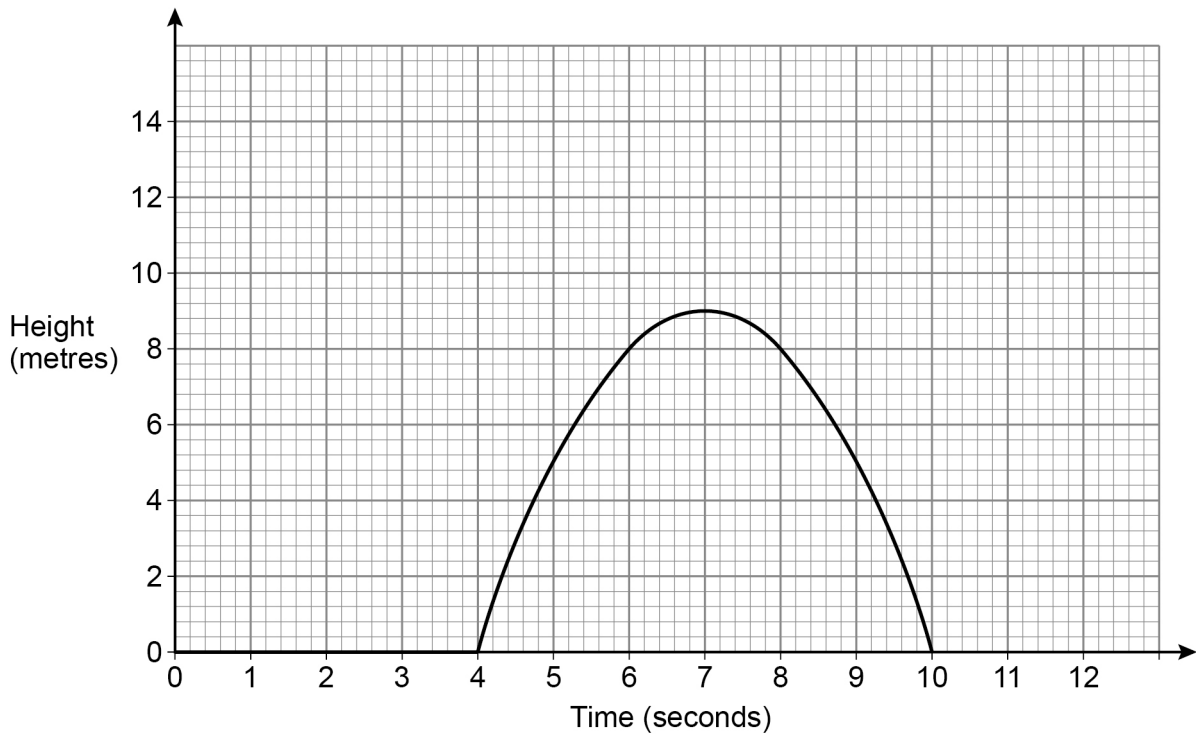a higher rate of pay for the next 5 hours worked.

Work out the difference between the higher rate of pay and the basic rate of pay.

Give your answer in £ per hour.

[3 marks]

Answer £_____ per hour

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]

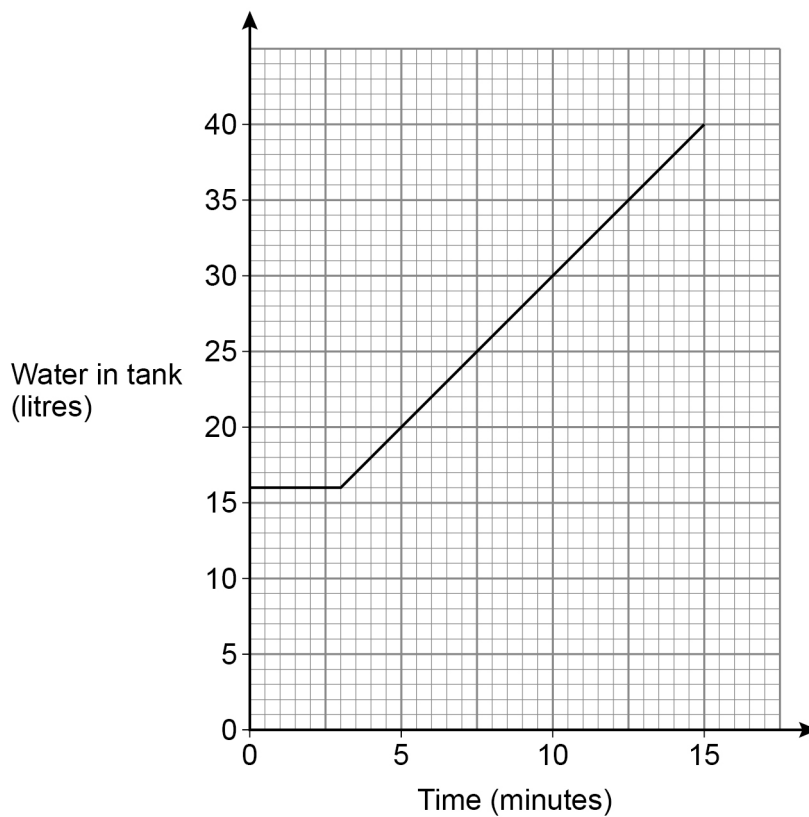10 seconds   9 seconds   6 seconds   4 seconds

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)   The tank is refilled with water from a tap.

The graph shows the amount of water in the tank **after** the leak is stopped.

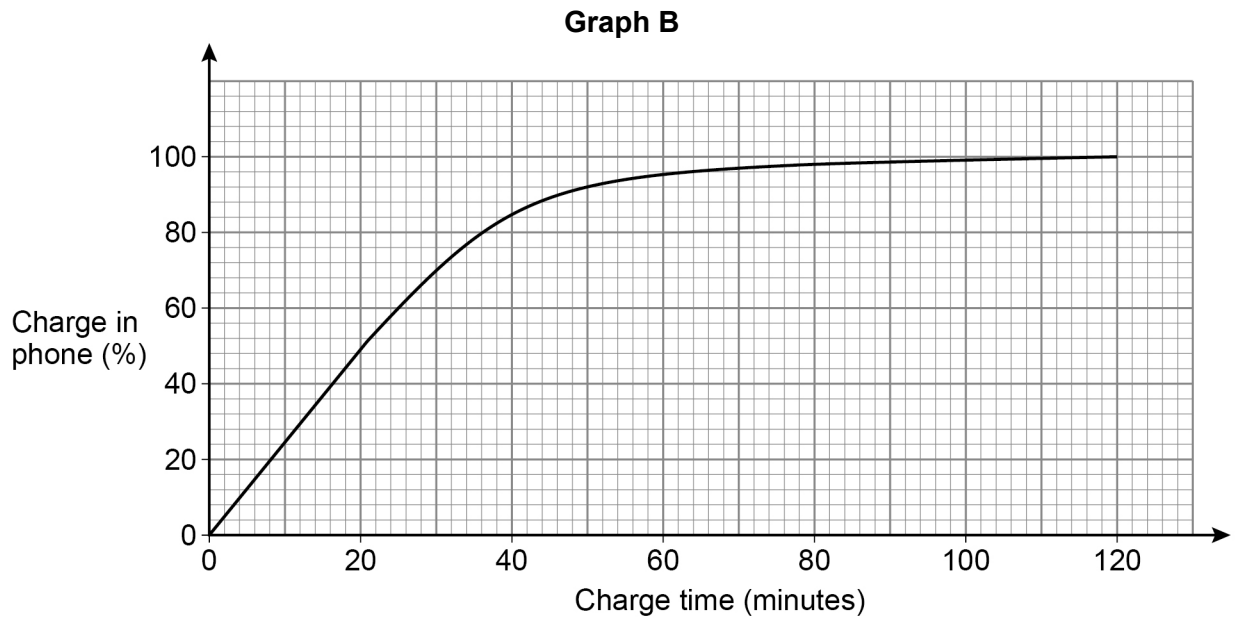Complete this report by writing a number in each answer space.

[3 marks]

Report

_____ minutes after the leak is stopped, the tap starts to refill the tank.

The rate at which the tank refills is   _____ litres per minute.

4

Graph B shows the percentage charge in the phone when charging from empty.

Graph B

4 (a) Using **Graph B**,

estimate the rate of increase in the percentage charge when the phone has 90% charge.

[2 marks]

Answer _____ percent per minute