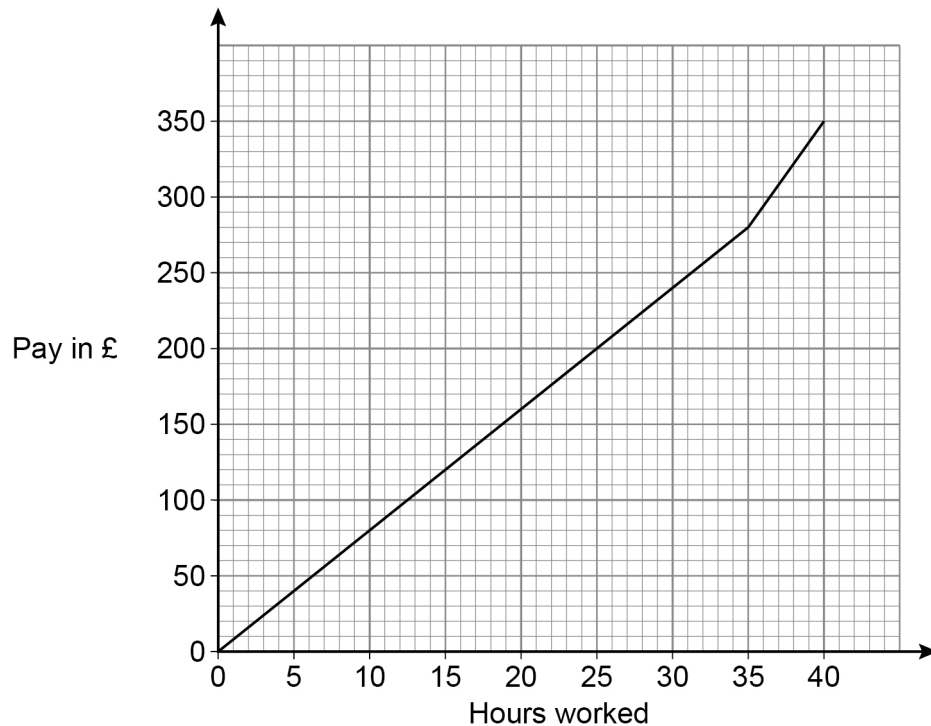


- 1 The graph shows how much Molly is paid for working for up to 40 hours.
She receives

- 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]

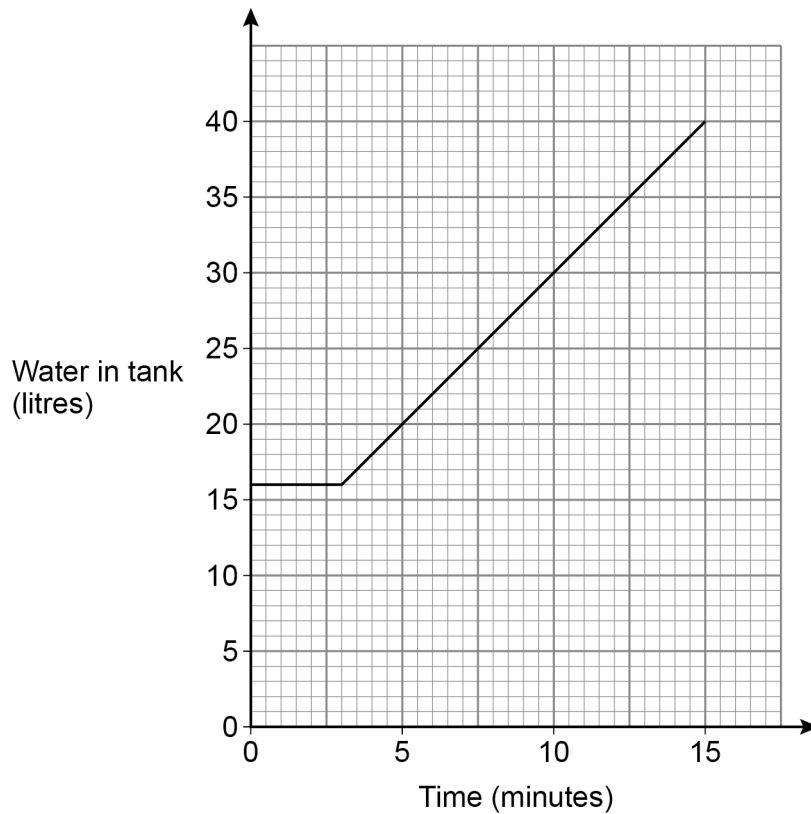
$$\text{Basic : } \frac{\pounds 280}{35 \text{ h}} = \pounds 8 \text{ per hour} \quad (1)$$

$$\text{Higher : } \frac{\pounds (350 - 280)}{5 \text{ h}} = \frac{\pounds 70}{5 \text{ h}} = \pounds 14 \text{ per hour} \quad (1)$$

$$14 - 8 = 6$$

Answer £ 6 (1) per hour

- 2 (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

3 ① minutes after the leak is stopped, the tap starts to refill the tank.

The rate at which the tank refills is 2 litres per minute.

$$\frac{40 - 16}{15 - 3} = \frac{24}{12} = 2$$

① ①