

1 (a) Write

(i) 0.3 as a fraction,

(a)(i) [1]

(ii) 0.3 as a percentage,

(ii)% [1]

(b) Write these decimals in order, starting with the smallest.

0.3

0.38

0.308

0.138

0.038

.....

.....

.....

.....

.....

[2]

4

2 Look at these numbers.

3

4

6

15

27

56

60

Choose numbers from the list to complete each of these sentences.

(a) is a multiple of 9.

[1]

(b) is a factor of 30.

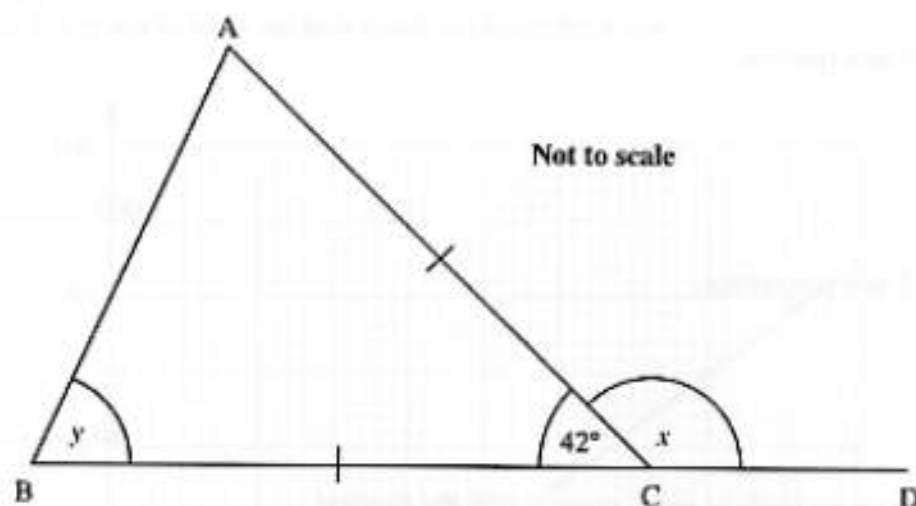
[1]

(c) is a common factor of 12 and 28.

[1]

3

3

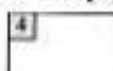


In the diagram, BCD is a straight line.
ABC is an isosceles triangle.

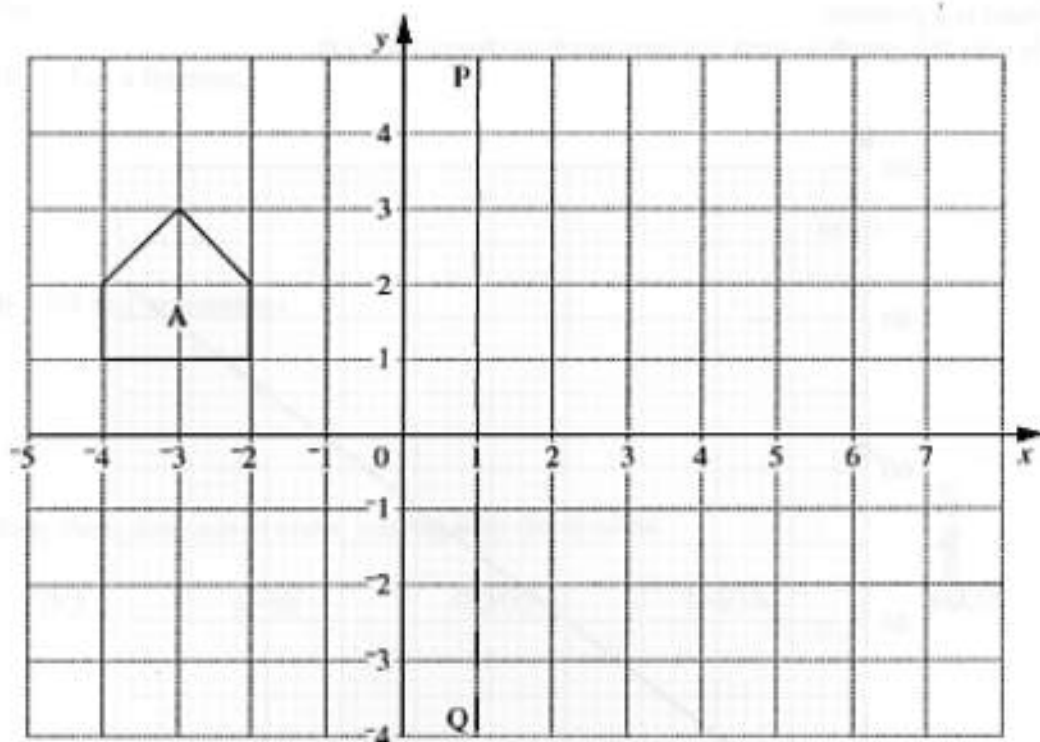
Work out the angles x and y .
Give reasons for your answers.

$x = \dots\dots\dots^\circ$ because $\dots\dots\dots$
 $\dots\dots\dots$ [2]

$y = \dots\dots\dots^\circ$ because $\dots\dots\dots$
 $\dots\dots\dots$ [2]



4



- (a) Reflect shape A in the x -axis.
Label the image B.

[1]

- (b) Reflect shape A in the line PQ.
Label the image C.

[1]

2

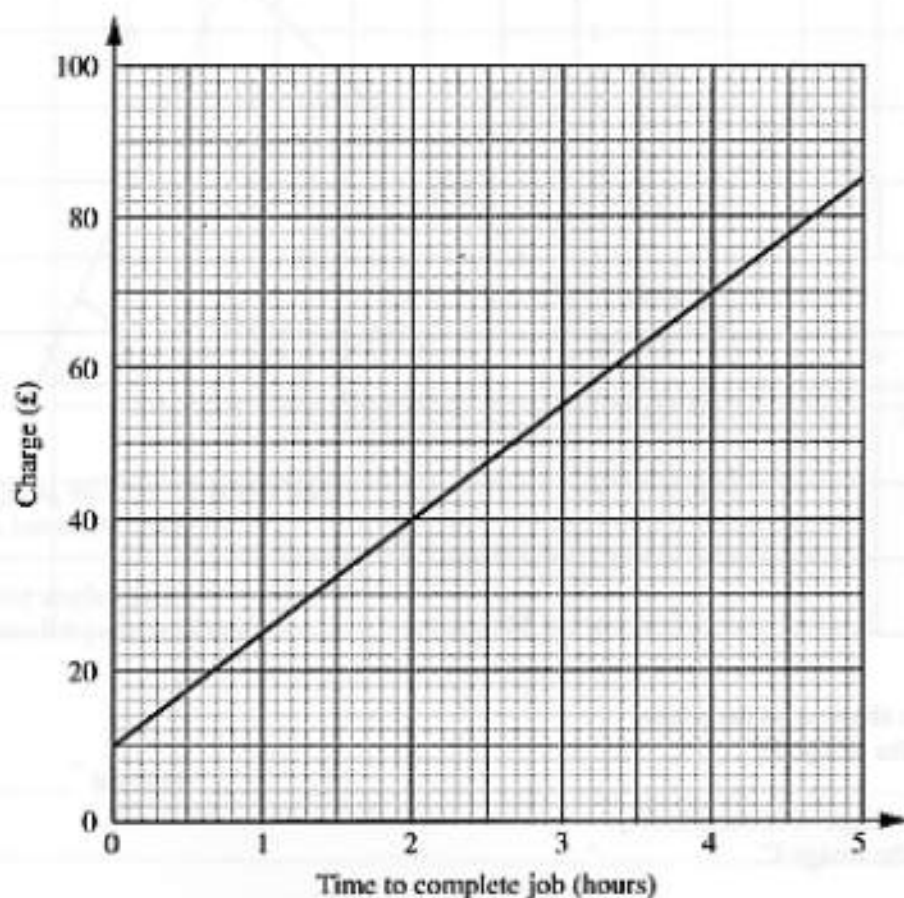
- 5 Aisha earns £275 per week.
She works for 45 weeks.

Work out how much she earns altogether.

£ [3]

3

- 6 (a) Stuart is a plumber.
He uses this graph to work out how much to charge for a job.



- (i) Stuart took 4 hours to complete one job.

How much did he charge?

(a)(i) £..... [1]

- (ii) He charged £55 for another job.

How long did this job take?

(ii)hours [1]

- (b) Pat is another plumber.
She uses this formula to work out how much to charge for a job.

$$C = 20 + 12T$$

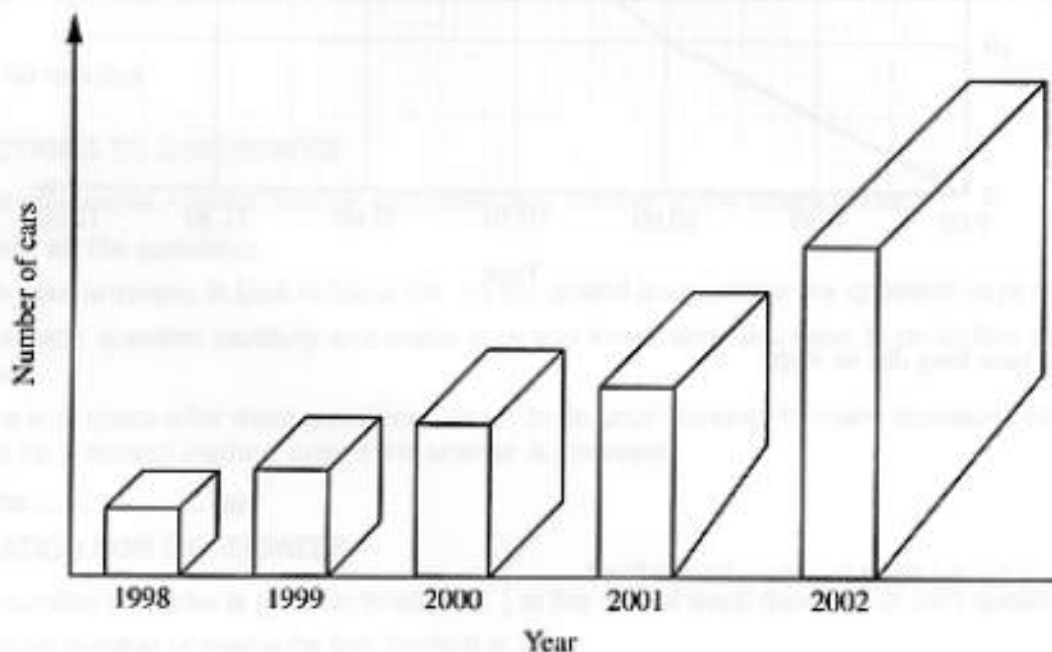
C is the charge in pounds,
 T is the time to complete a job in hours.

How much will Pat charge for a job taking $1\frac{1}{2}$ hours?

(b) £ [2]

4

- 7 This diagram was drawn to show the number of cars sold.



Give two reasons why this diagram is misleading.

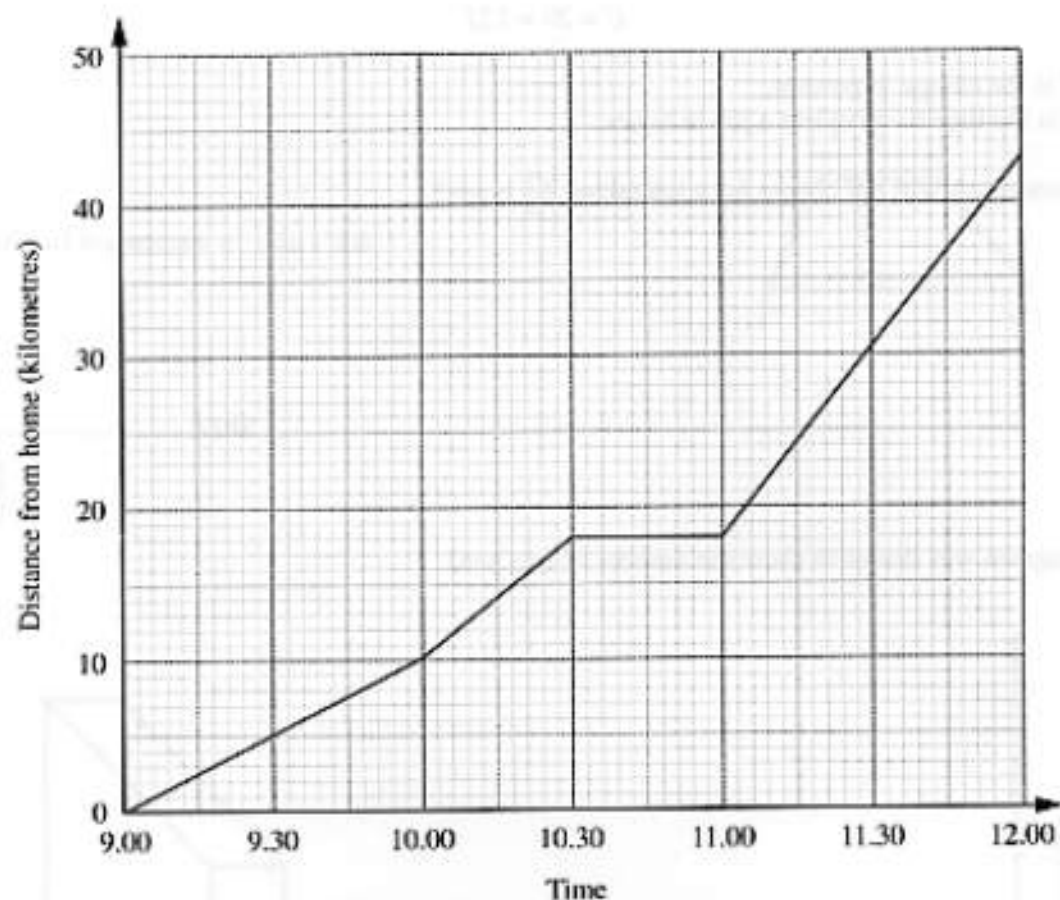
1. [1]

2. [1]

2

TURN OVER FOR QUESTION 8

- 8 Sajid cycled from home to visit his brother.
The graph shows his journey.



- (a) For how long did he stop?

(a)minutes [1]

- (b) How far did Sajid live from his brother?

(b)kilometres [1]

- (c) Between what times was Sajid cycling fastest?

(c) Between and [1]

3