



ADMISSION TEST PAPER 2025-26  
SUBJECT: MATHEMATICS  
CLASS: 9

Name:

Duration: 45 min

Date:

Marks Obtained: /20

**Q1** Doreen cycles to her friend's home.  
She leaves at 09 40 and arrives at 10 20.

(a) Write down the time taken

(i) in minutes,

Answer (a)(i) ..... minutes [1]

(ii) as a fraction of an hour in its lowest terms.

Answer (a)(ii) ..... hours [1]

(b) The distance Doreen cycles is 8.4km.  
Work out Doreen's average speed in km/h.

Answer (b) ..... km/h [2]

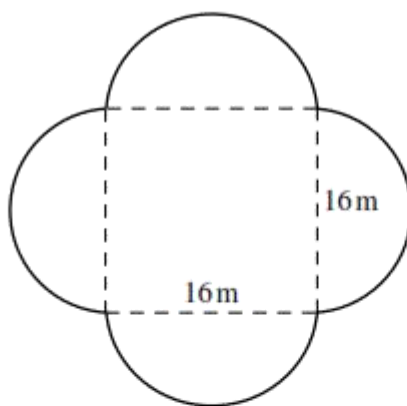
**Q2.** Solve the simultaneous equations  $2c + 5d = 49$ ,  
 $3c + d = 15$ .

Answer  $c =$  .....

$d =$  ..... [3]

Q3

NOT TO  
SCALE



The diagram shows a garden.

It is made up of a square of side 16 m and four semicircles of radius 8 m.

Calculate (a) the perimeter of the garden,

Answer (a) .....m [2]

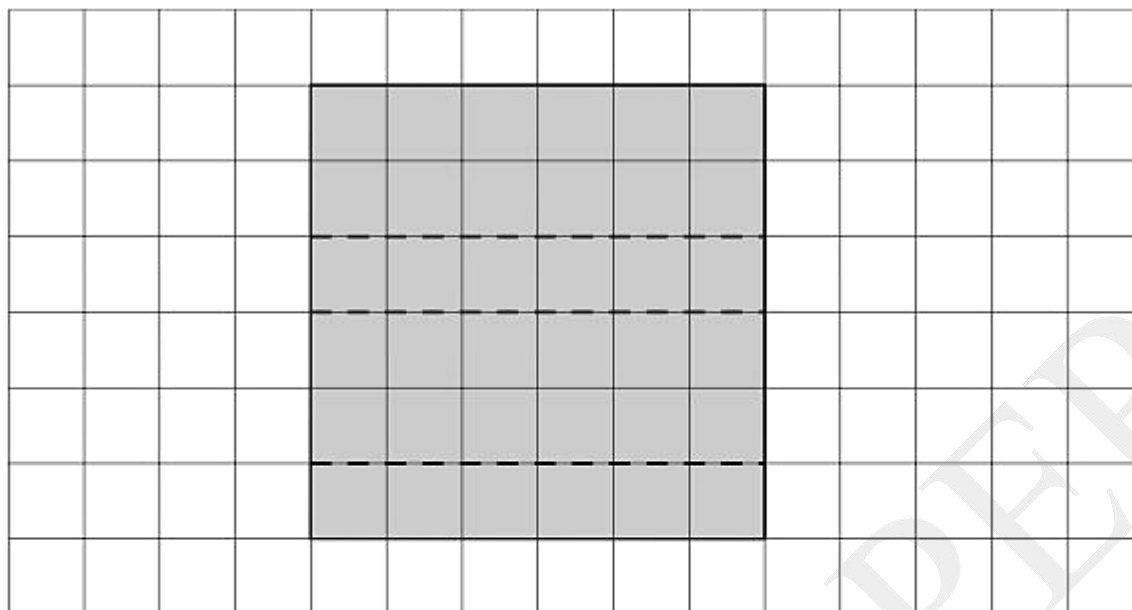
(b) the area of the garden.

Answer (b) .....m<sup>2</sup> [3]

Q4. Solve the equation  $2(x - 4) + 3(5 - 3x) = 4$ .

Answer (b)  $x =$  ..... [3]

Q5.



Part of the net of a cuboid is drawn on the 1 cm square grid above.

(a) Complete the net accurately.

[1]

(b) Calculate the volume of the cuboid.

Answer (b) .....  $\text{cm}^3$  [1]

Q6. Make  $d$  the subject of the formula

$$c = kd^2 + e.$$

Answer  $d =$  ..... [3]