Name

Maths6: Reinforcement shaded Areas

1.Fill in the blanks.

(i)In the figure  , *Area of outer square is 81m², shaded area is 36m², un shaded area is ____m².*

(ii) If perimeter of square is 32m ,cost of edging around it @Rs. 5/m is _____.

(iii) The sum of interior angles of a square is _____°.

(iv) The opposite sides of rectangle are parallel & _____ in measurement.

(v) 4 × length of each side of square is the formula for finding _____ of square.

(vi) If area of square field is 144m². The cost of ploughing a square field @ Rs 10/m² will be _____

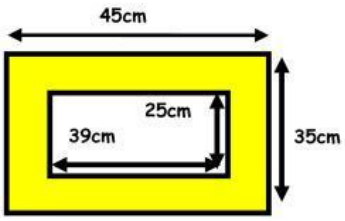
(vii) Each interior angle of rectangle is of measure _____.

(viii) 2l + 2w is the formula for finding _____ of rectangle.

(ix) If perimeter of square shaped garden is 24m ,cost of fencing along the garden @Rs 20/m will be _____.

(x) If product of length & width of rectangle is 96cm2, its area is _____cm².

2.Look at the figure given at right and choose the correct answer for each of the question.



(i) Area of white region can be calculated as :

(a) 39cm×25cm *(b) 39cm×35cm*

(c) 39cm×45cm *(d) 45cm×35cm*

(ii)Area of whole figure :

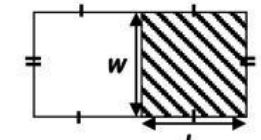
(a) 39cm×25cm *(b) 39cm×35cm* *(c) 39cm×45cm* *(d) 45cm×35cm*

(iii) border area =

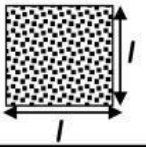
(a)(39cm×25cm)-(45cm×35cm) *(b) (39cm×45cm)-(45cm×25cm)*

(c) (45cm×35cm)-(39cm×25cm) *(d) 45cm×35cm*

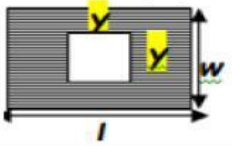
3. .Tick (✓)the formula which will be use for finding shaded area of each of the following figure .



2l × 2w or l × w

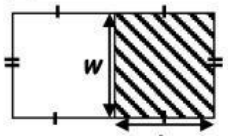


4× l or l²

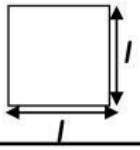


(l × w) − (y× y) or (y× y)

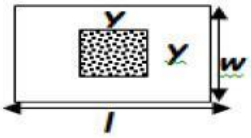
4. Tick (✓) the formula which we will use for finding un shaded area of each of the following figure .



2l × 2w or l × w



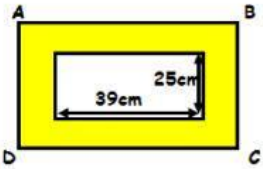
4× l or l²



(l × w) − (y× y) or Y²

5. Do as directed .

1. If Area of rectangle ABCD is 1500cm² , Rayyan wants to calculate area of broder area (yellow region)of figure shown on rght .Help him to arrange the steps in correct order .



39cm x 25cm | = 1500 - 975 | = 525cm² | 1500- (39cm×25cm)

Step#:1

Step#2:

Step#3:

Step#4: