



CBSE Grade 6th

Mensuration

Q1) Find the cost of fencing a rectangular park of length 10m and breadth 5m at the rate of ₹10 per metre.

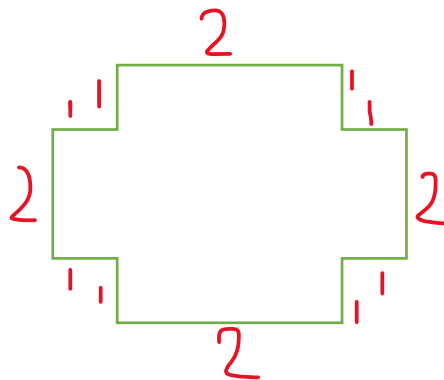
Q2) The perimeter of equilateral triangle is 9m. Find the length of the side.

Q3) The area of rectangular sheet of paper is 20 sq. cm. Its length is 5cm, find its width.

Q4) Find the distance travelled by Reeta if she takes 5 rounds of a square park of side 100m.

Q5) How many tiles whose length and breath are 12cm and 5cm respectively will be needed to fit in a rectangular region whose length and breadth are 70cm and 36cm respectively?

Q6) Find area and perimeter of following figure.





Answer Key

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Sol1)

Length = 10m

Breadth = 5m

Perimeter = $2(10+5) = 30$ cm

Rate of fencing = ₹10

Cost of fencing park = $30 \times 10 = ₹300$

Sol2) All sides of equilateral triangle are equal.

Perimeter = 9m

Side = $\frac{9}{3} = 3$ m

Sol3)

Area = 20 sq cm

Length = 5cm

Width = $\frac{\text{area}}{\text{length}}$

$$\frac{20}{5} = 4\text{cm}$$

Sol4) Side of square park = 100m

Perimeter of square = $4 \times 100 = 400$ m

Reeta takes 5 round

Distance travelled by Reeta = $5 \times 400 = 2000$ m = 2km



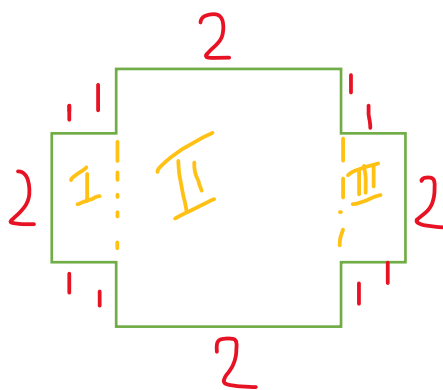
Sol5)

Area of 1 tile = $12 \times 5 = 60$ sq cm

Area of rectangular region = $70 \times 36 = 2520$ sq cm

No of tile required to fit in region = $\frac{2520}{60} = 42$

Sol6)



Sol)

Perimeter = $2+1+1+2+1+1+2+1+1+2+1+1 = 16$ units

Area of rectangle I = $2 \times 1 = 2$ sq units

Area of rectangle II = $2 \times 2 = 4$ sq units

Area of rectangle III = $2 \times 1 = 2$ sq units

Total area = $2+4+2 = 8$ sq units