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Class-06 Sub-.Maths Date 13.06..2021

5. What is the cost of tiling a rectangular plot of land 500 m long and 200 m wide at the rate of ₹ 8 per hundred sq m.?

Solutions:

Area of land = length × breadth

= 500 × 200

= 1,00,000 m^2

∴ Cost of tiling 1,00,000 sq m of land = (8 × 1,00,000) / 100

= ₹ 8000

6. A table top measures 2 m by 1 m 50 cm. What is its area in square metres?

Solutions:

Given

l = 2m

b = 1m 50 cm = 1.50 m

Area = l × b = 2 × 1.50

= 3 m^2

7. A room is 4 m long and 3 m 50 cm wide. Howe many square metres of carpet is needed to cover the floor of the room?

Solutions:

Given

l = 4m

b = 3 m 50 cm = 3.50 m

Area = l × b = 4 × 3.50

=14 m^2

8. A floor is 5 m long and 4 m wide. A square carpet of sides 3 m is laid on the floor. Find the area of the floor that is not carpeted.

Solutions:

Area of floor = l × b = 5 × 4

= 20 m^2

Area of square carpet = 3 × 3

= 9 m^2

Area of floor that is not carpeted = 20 – 9

= 11 m^2

∴ Area of the floor that is not carpeted is 11 m^2

9. Five square flower beds each of sides 1 m are dug on a piece of land 5 m long and 4 m wide. What is the area of the remaining part of the land?

Solutions:

Area of flower square bed = 1 × 1

= 1 m^2

Area of 5 square bed = 1 × 5

= 5 m^2

Area of land = 5 × 4

= 20 m^2

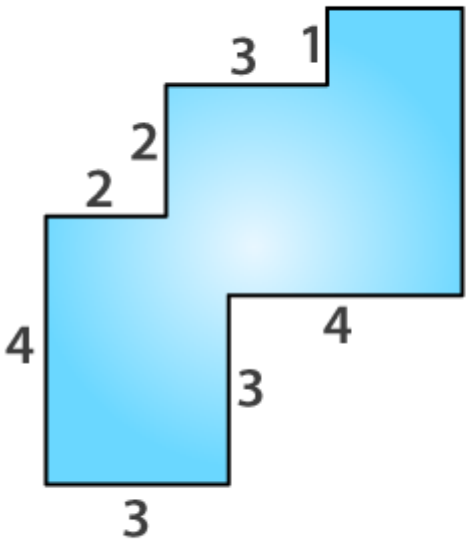
Remaining part of the land = Area of land – Area of 5 square bed

= 20 – 5

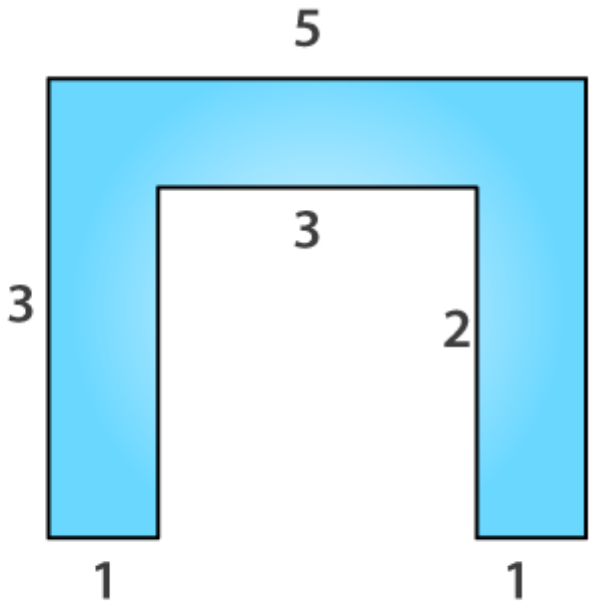
= 15 m^2

∴ Remaining part of the land is 15 m^2

10. By splitting the following figures into rectangles, find their areas (The measures are given in centimetres).



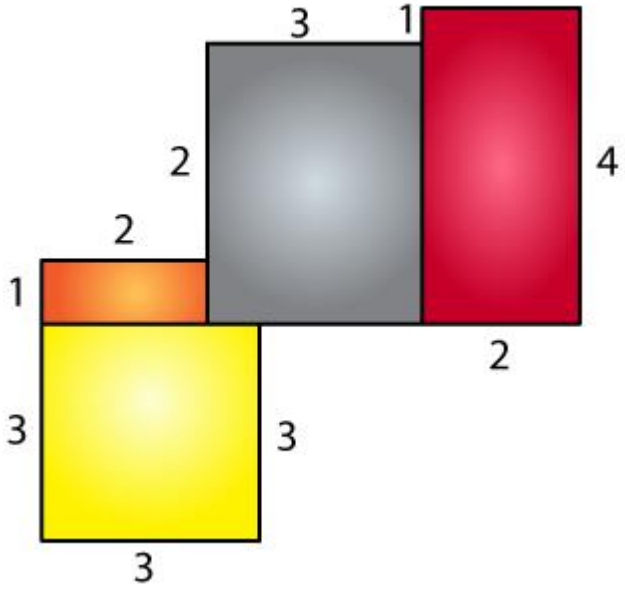
(a)



(b)

Solutions:

(a)



Area of yellow region = 3 × 3

= 9 cm^2

Area of orange region = 1× 2

= 2 cm^2

Area of grey region = 3 × 3

= 9 cm^2

Area of brown region = 2 × 4

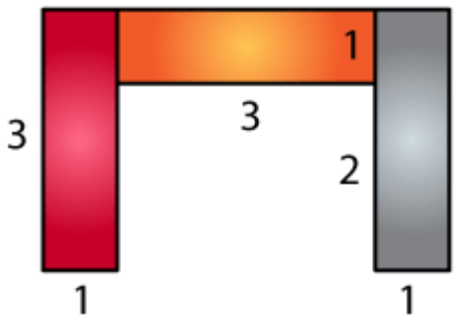
= 8 cm^2

Total area = 9 + 2 + 9 + 8

= 28 cm^2

∴ Total area is 28 cm^2

(b)



Area of brown region = 3 × 1

= 3 cm^2

Area of orange region = 3 × 1

= 3 cm^2

Area of grey region = 3 × 1

= 3 cm^2

Total area = 3 + 3 + 3

= 9 cm^2

∴ Total area is 9 cm^2