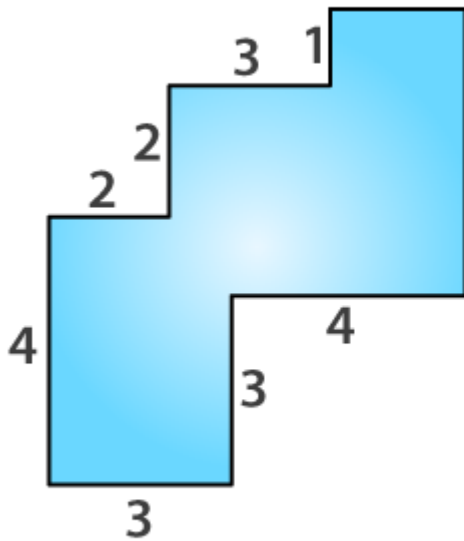# VIDYA BHAWAN BALIKA VIDYA PITH
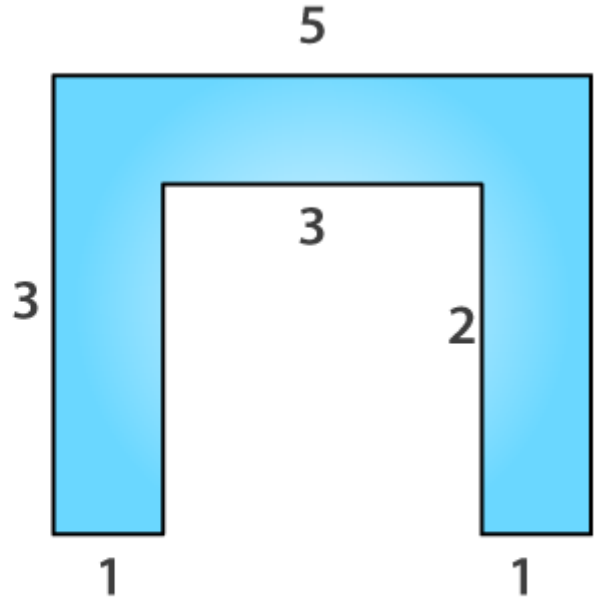
शक्तिउत्थानआश्रमलखीसरायबिहार

Class-06   Sub-.Maths   Date 17.06..2021

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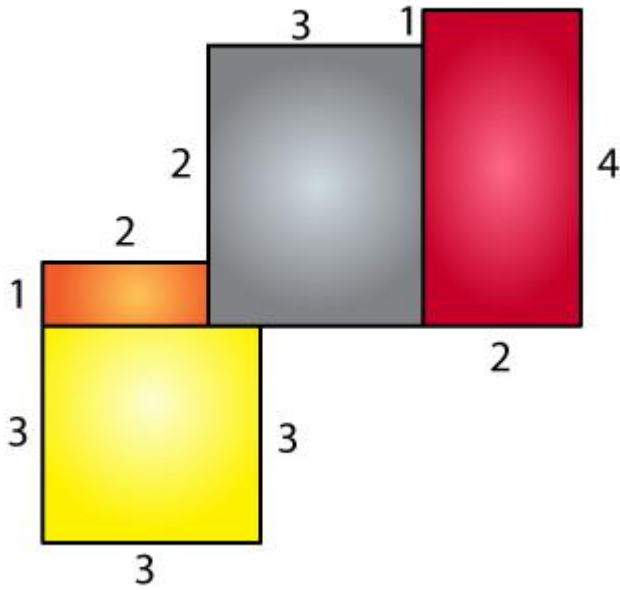

(a)

(b)

Solutions:

(a)

Area of yellow region = 3 × 3

= 9 cm^2

Area of orange region = 1× 2

= 2 cm^2

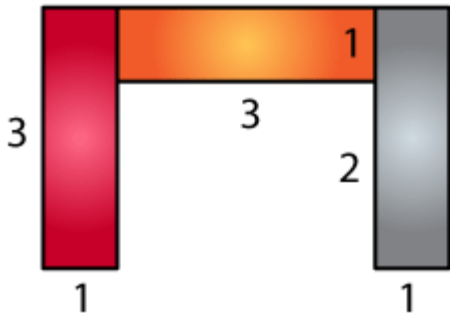Area of grey region = 3 × 3

= 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
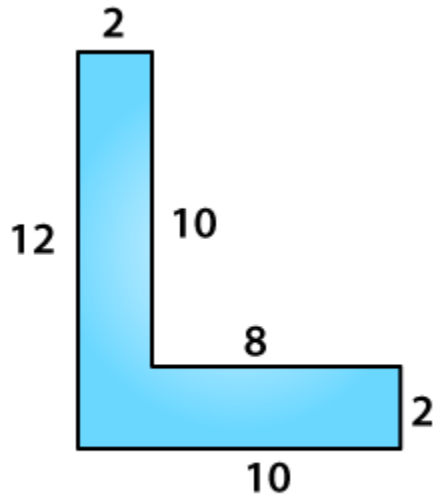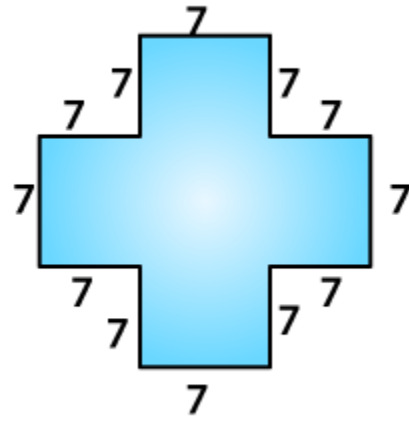
= 3 cm^2

Total area = 3 + 3 + 3

= 9 cm^2

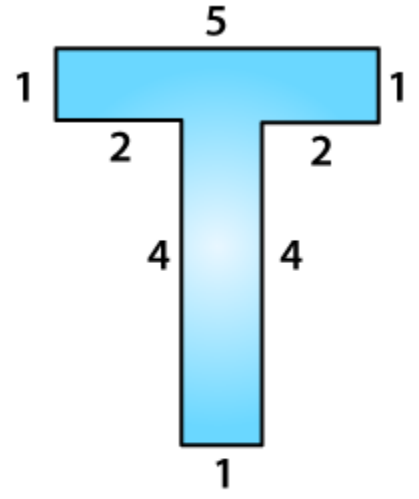∴ Total area is 9 cm^2

11. Split the following shapes into rectangles and find their areas. (The measures are given in centimetres)
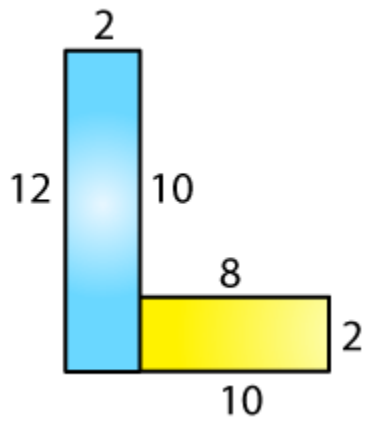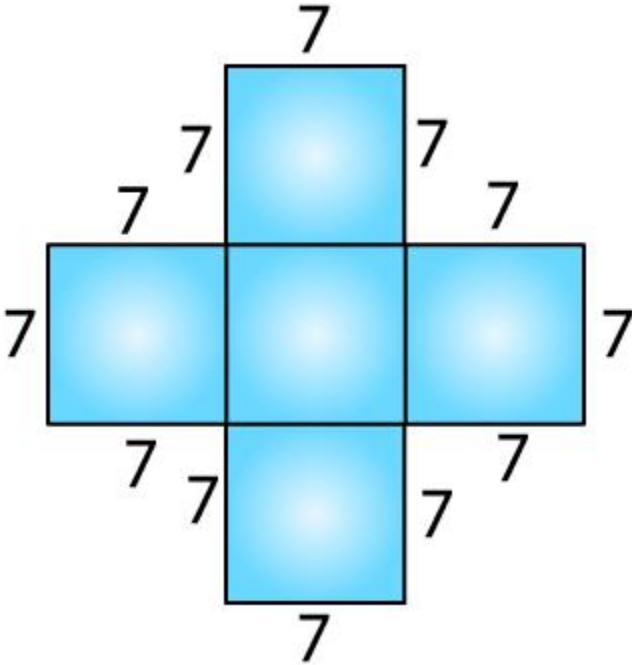
(a)

(b)

(c)

Solutions:

(a)

Total area of the figure = 12 × 2 + 8 × 2

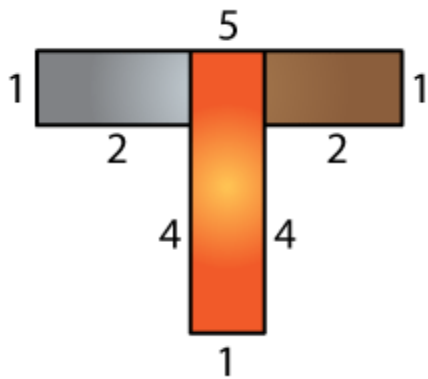= 40 cm^2

(b)

There are 5 squares. Each side is 7 cm

Area of 5 squares = 5×7^2

= 245 cm²

(c)

Area of grey rectangle = 2×1

= 2 cm²

Area of brown rectangle = 2×1

= 2 cm²

Area of orange rectangle = 5×1

= 5 cm^2

Total area = 2 + 2 + 5

= 9 cm^2