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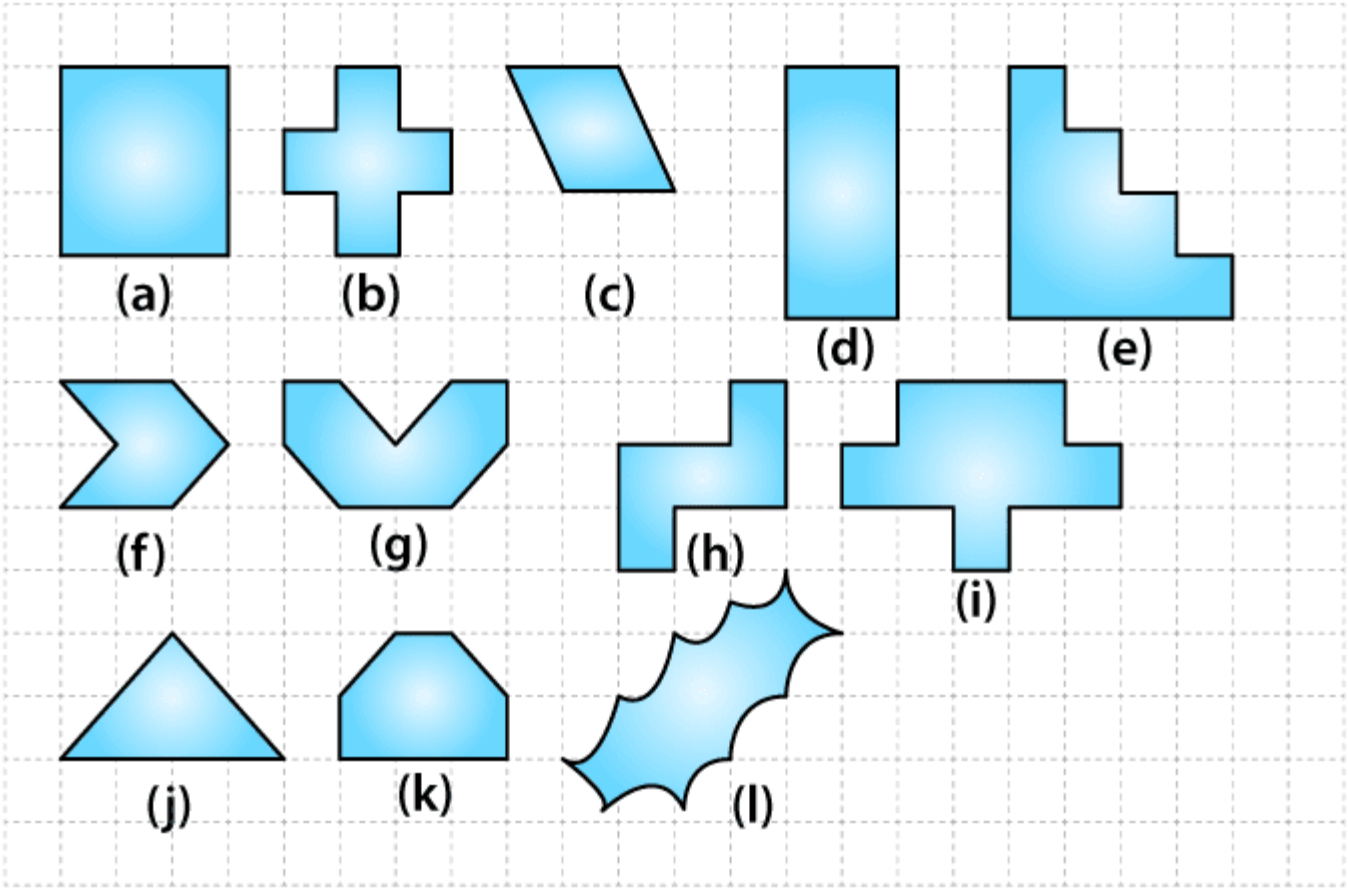
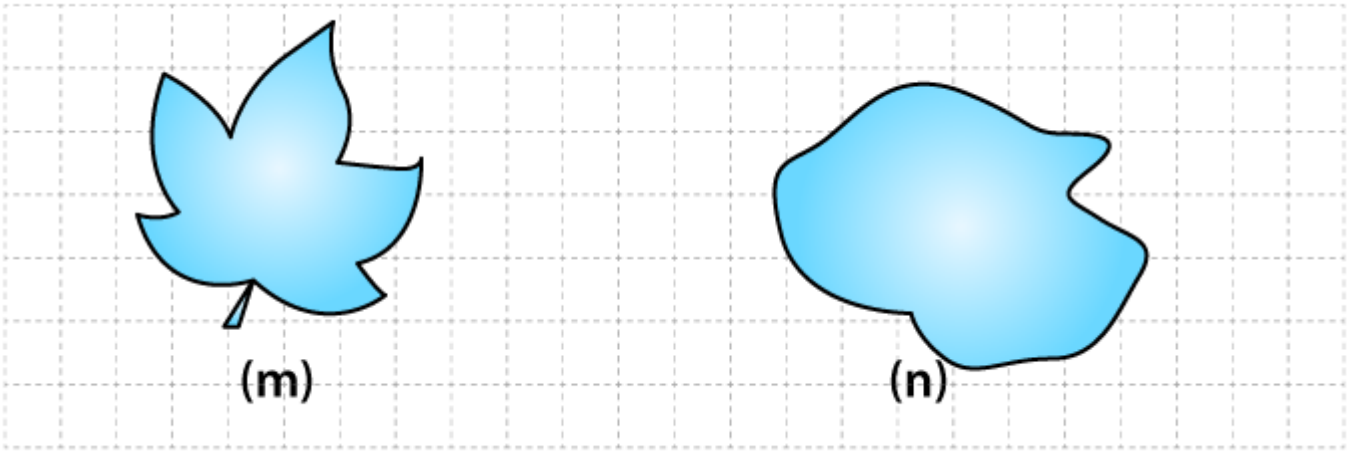
Class 06 Sub-.Maths Date 10.06..2021

1. Find the areas of the following figures by counting square:





(a) The figure contains only 9 fully filled squares. Hence, the area of this figure will be 9 square units.

(b) The figure contains only 5 fully filled squares. Hence, the area of this figure will be 5 square units.

(c) The figure contains 2 fully filled squares and 4 half filled squares. Hence, the area of this figure will be 4 square units.

(d) The figure contains only 8 fully filled squares. Hence, the area of this figure will be 8 square units.

(e) The figure contains only 10 fully filled squares. Hence, the area of this figure will be 10 square units.

(f) The figure contains only 2 fully filled squares and 4 half filled squares. Hence, the area of this figure will be 4 square units.

(g) The figure contains 4 fully filled squares and 4 half filled squares. Hence, the area of this figure will be 6 square units.

(h) The figure contains 5 fully filled squares. Hence, the area of this figure will be 5 square units.

(i) The figure contains 9 fully filled squares. Hence, the area of this figure will be 9 square units.

(j) The figure contains 2 fully filled squares and 4 half filled squares. Hence, the area of this figure will be 4 square units.

(k) The figure contains 4 fully filled squares and 2 half filled squares. Hence, the area of this figure will be 5 square units.

(l) From the given figure, we observe

Covered Area	Number	Area estimate (square units)
Fully filled squares	2	2
Half filled squares	–	–
More than half filled squares	6	6
Less than half filled squares	6	0

Therefore total area = 2 + 6

= 8 square units.

(m) From the given figure, we observe

Covered Area	Number	Area estimate (square units)
Fully filled squares	5	5
Half filled squares	–	–

More than half filled squares	9	9
Less than half filled squares	12	0

Therefore total area = 5 + 9

= 14 square units

(n) From the given figure, we observe

Covered Area	Number	Area estimate (square units)
Fully filled squares	8	8
Half filled squares	–	–
More than half filled squares	10	10
Less than half filled squares	9	0

Therefore total area = 8 + 10 = 18 square units

Exercise 10.3 page no: 219

1. Find the area of the rectangles whose sides are:

(a) 3 cm and 4 cm

(b) 12 m and 21 m

(c) 2 km and 3 km

(d) 2 m and 70 cm

Solutions:

We know that

Area of rectangle = Length × Breadth

(a) l = 3 cm and b = 4 cm

Area = l × b = 3 × 4

= 12 cm^2

(b) l = 12 m and b = 21 m

Area = l × b = 12 × 21

= 252 m^2

(c) l = 2 km and b = 3 km

Area = l × b = 2 × 3

= 6 km^2

(d) l = 2 m and b = 70 cm = 0.70 m

Area = l × b = 2 × 0.70

= 1.40 m^2