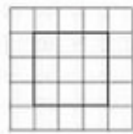


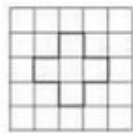


NCERT SOLUTIONS FOR CLASS 6 MATHS MENSURATION
EXERCISE 10.2

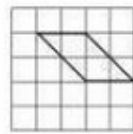
Find the areas of the following figures by counting square:



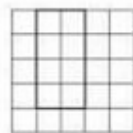
(a)



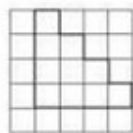
(b)



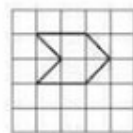
(c)



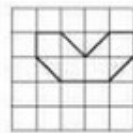
(d)



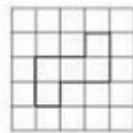
(e)



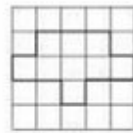
(f)



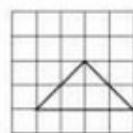
(g)



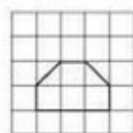
(h)



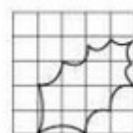
(i)



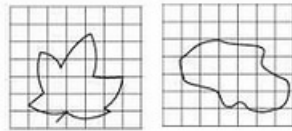
(j)



(k)



(l)



(m)

(n)

Answer:

- (a) The figure contains 9 fully filled squares only. Therefore, the area of this figure will be 9 square units.
- (b) The figure contains 5 fully filled squares only. Therefore, the area of this figure will be 5 square units.
- (c) The figure contains 2 fully filled squares and 4 half-filled squares. Therefore, the area of this figure will be 4 square units.
- (d) The figure contains 8 fully filled squares only. Therefore, the area of this figure will be 8 square units.
- (e) The figure contains 10 fully filled squares only. Therefore, the area of this figure will be 10 square units.
- (f) The figure contains 2 fully filled squares and 4 half-filled squares. Therefore, the area of this figure will be 4 square units.
- (g) The figure contains 4 fully filled squares and 4 half-filled squares. Therefore, the area of this figure will be 6 square units.
- (h) The figure contains 5 fully filled squares only. Therefore, the area of this figure will be 5 square units.
- (i) The figure contains 9 fully filled squares only. Therefore, the area of this figure will be 9 square units.
- (j) The figure contains 2 fully filled squares and 4 half-filled squares. Therefore, the area of this figure will be 4 square units.
- (k) The figure contains 4 fully filled squares and 2 half-filled squares. Therefore, the area of this figure will be 5 square units.
- (l) From the given figure, it can be observed that,

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

Total area = $2 + 6 = 8$ square units

(m) From the given figure, it can be observed that,

Covered Area	Number	Area estimate (sq units)
Fully filled squares	5	5
Half-filled squares	–	–
More than half-filled squares	9	9
Less than half-filled squares	12	0

Total area = $5 + 9 = 14$ square units

(n) From the given figure, it can be observed that,

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

Total area = $8 + 10 = 18$ square units

***** END *****

