

20 APRIL 2020

MATHEMATICS HOMEWORK-2 dated  
[20.04.2020](#)

Do example 5 and 6 and Q1 and 2  
from Exercise 12.2 .

13:16 ✓

Refer PDF of Chapter 12 posted  
on [17.04.2020](#)

13:17 ✓

TODAY

MATHEMATICS HOMEWORK-3 dated  
[22.04.2020](#) .Children do Q5,6 and  
8 from Exercise 12.2. Refer PDF of  
Chapter 12 posted on [17.04.2020](#).

06:58 ✓

### EXERCISE 12.2

1. A park, in the shape of a quadrilateral ABCD, has  $\angle C = 90^\circ$ ,  $AB = 9$  m,  $BC = 12$  m,  $CD = 5$  m and  $AD = 8$  m. How much area does it occupy?
2. Find the area of a quadrilateral ABCD in which  $AB = 3$  cm,  $BC = 4$  cm,  $CD = 4$  cm,  $DA = 5$  cm and  $AC = 5$  cm.
3. Radha made a picture of an aeroplane with coloured paper as shown in Fig 12.15. Find the total area of the paper used.

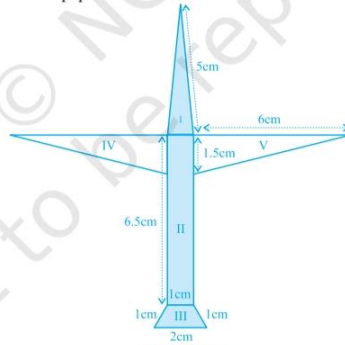


Fig. 12.15

4. A triangle and a parallelogram have the same base and the same area. If the sides of the triangle are 26 cm, 28 cm and 30 cm, and the parallelogram stands on the base 28 cm, find the height of the parallelogram.

2019-2020

5. A rhombus shaped field has green grass for 18 cows to graze. If each side of the rhombus is 30 m and its longer diagonal is 48 m, how much area of grass field will each cow be getting?
6. An umbrella is made by stitching 10 triangular pieces of cloth of two different colours (see Fig. 12.16), each piece measuring 20 cm, 50 cm and 50 cm. How much cloth of each colour is required for the umbrella?
7. A kite in the shape of a square with a diagonal 32 cm and an isosceles triangle of base 8 cm and sides 6 cm each is to be made of three different shades as shown in Fig. 12.17. How much paper of each shade has been used in it?



Fig. 12.16

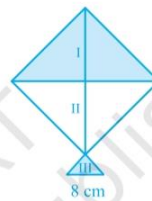


Fig. 12.17

8. A floral design on a floor is made up of 16 tiles which are triangular, the sides of the triangle being 9 cm, 28 cm and 35 cm (see Fig. 12.18). Find the cost of polishing the tiles at the rate of 50p per  $\text{cm}^2$ .
9. A field is in the shape of a trapezium whose parallel sides are 25 m and 10 m. The non-parallel sides are 14 m and 13 m. Find the area of the field.

