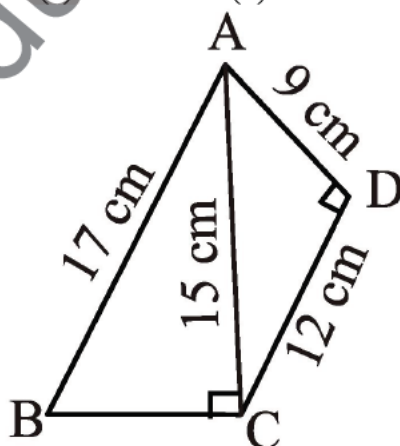


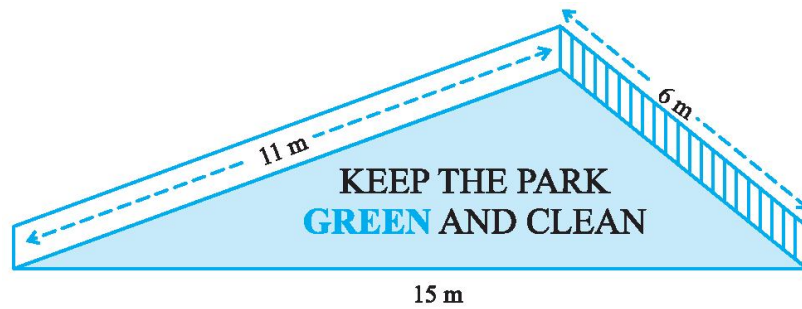
Exercise D

1. The sides of a triangle are 3 cm, 4 cm and 5 cm. Its area is
 (a) 12 cm^2 (b) 15 cm^2 (c) 6 cm^2 (d) 9 cm^2
2. The area of isosceles triangle whose equal sides are equal to 3 cm and other side is 4 cm. Its area is
 (a) 20 cm^2 (b) $4\sqrt{5} \text{ cm}^2$ (c) $2\sqrt{5} \text{ cm}^2$ (d) 10 cm^2
3. The area of a triangular sign board of sides 5 cm, 12 cm and 13 cm is
 (a) $\frac{65}{2} \text{ cm}^2$ (b) 30 cm^2 (c) 60 cm^2 (d) 12 cm^2
4. The side of a triangle are in the ratio of 25 : 14 : 12 and its perimeter is 510m. The greatest side of the triangle is
 (a) 120 m (b) 170 m (c) 250 m (d) 270 m
5. The perimeter of a right triangle is 60 cm and its hypotenuse is 26 cm. The other two sides of the triangle are
 (a) 24 cm, 10 cm (b) 25 cm, 9 cm (c) 20 cm, 14 cm (d) 26 cm, 8 cm
6. The area of quadrilateral ABCD in which $AB = 3 \text{ cm}$, $BC = 4 \text{ cm}$, $CD = 4 \text{ cm}$, $DA = 5 \text{ cm}$ and $AC = 5 \text{ cm}$ is
 (a) 15.2 cm^2 (b) 14.8 cm^2 (c) 15 cm^2 (d) 16.4 cm^2
7. The area of trapezium in which the parallel sides are 28 m and 40 m, non parallel sides are 9 m and 15 m is
 (a) 286 m^2 (b) 316 m^2 (c) 306 m^2 (d) 296 m^2
8. The area of quadrilateral ABCD in the below figure is
 (a) 57 cm^2 (b) 95 cm^2 (c) 102 cm^2 (d) 114 cm^2



9. A traffic signal board indicating 'SCHOOL AHEAD' is an equilateral triangle with side a , then height of the traffic signal is:
 (a) $\frac{\sqrt{3}}{2} a^2$ (b) $\frac{\sqrt{3}}{4} a^2$ (c) $\frac{\sqrt{3}}{2} a$ (d) none of these

10. There is a slide in a park. One of its side walls has been painted in some colour with a message “KEEP THE PARK GREEN AND CLEAN”. If the sides of the wall are 15 m, 11 m and 6 m, The area painted in colour is:



- (a) $10\sqrt{2} \text{ m}^2$ (b) $20\sqrt{2} \text{ m}^2$ (c) $30\sqrt{2} \text{ m}^2$ (d) none of these
11. An isosceles right triangle has area 8 cm^2 . The length of its hypotenuse is
 (a) $\sqrt{32} \text{ cm}$ (b) $\sqrt{16} \text{ cm}$ (c) $\sqrt{48} \text{ cm}$ (d) $\sqrt{24} \text{ cm}$
12. The edges of a triangular board are 6 cm, 8 cm and 10 cm. The cost of painting it at the rate of 9 paise per cm^2 is
 (a) Rs 2.00 (b) Rs 2.16 (c) Rs 2.48 (d) Rs 3.00
13. The area of an isosceles triangle having base 2 cm and the length of one of the equal sides 4 cm, is
 (a) $\sqrt{15} \text{ cm}^2$ (b) $\frac{\sqrt{15}}{2} \text{ cm}^2$ (c) $2\sqrt{15} \text{ cm}^2$ (d) $4\sqrt{15} \text{ cm}^2$
14. The sides of a triangle are 35 cm, 54 cm and 61 cm, respectively. The length of its longest altitude
 (a) $16\sqrt{5} \text{ cm}$ (b) $10\sqrt{5} \text{ cm}$ (c) $24\sqrt{5} \text{ cm}$ (d) 28 cm
15. If the area of an equilateral triangle is $16\sqrt{3} \text{ cm}^2$, then the perimeter of the triangle is
 (a) 48 cm (b) 24 cm (c) 12 cm (d) 36 cm