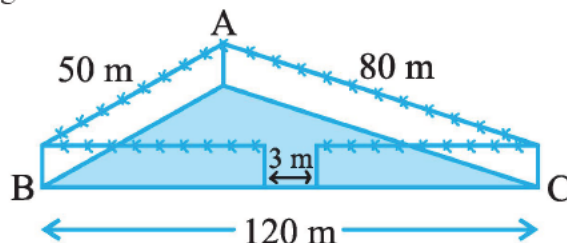


Exercise C

1. A triangular park ABC has sides 120m, 80m and 50m . A gardener *Dhania* has to put a fence all around it and also plant grass inside. How much area in m^2 does she need to plant?



- (a) $9\sqrt{15}$ (b) $12\sqrt{15}$ (c) $6\sqrt{15}$ (d) none of these
2. The sides of a triangle are 35 cm, 54 cm and 61 cm, respectively. The length of its longest altitude:
- (a) $16\sqrt{5}$ cm (b) $10\sqrt{5}$ cm (c) $24\sqrt{5}$ cm (d) 28 cm
3. If the area of an equilateral triangle is $16\sqrt{3} \text{ cm}^2$, then the perimeter of the triangle is:
- (a) 64 cm (b) 60 cm (c) 36 cm (d) none of these
4. The length of each side of an equilateral triangle having an area of $9\sqrt{3} \text{ cm}^2$ is:
- (a) 8 cm (b) 6 cm (c) 36 cm (d) 4 cm
5. The area of an equilateral triangle with side is:
- (a) 5.196 cm^2 (b) 0.866 cm^2 (c) 3.4896 cm^2 (d) 1.732 cm^2
6. The sides of a triangle are 56 cm, 60 cm and 52 cm, then the area of the triangle is:
- (a) 1322 cm^2 (b) 1311 cm^2 (c) 1344 cm^2 (d) 1392 cm^2
7. The perimeter of an equilateral triangle is 60 m. The area is:
- (a) $15\sqrt{3} \text{ m}^2$ (b) $3\sqrt{3} \text{ m}^2$ (c) $12\sqrt{3} \text{ m}^2$ (d) none of these
8. An isosceles right triangle has area 8 cm^2 , then length of its hypotenuse is
- (a) $\sqrt{32} \text{ cm}$ (b) $\sqrt{16} \text{ cm}$ (c) $\sqrt{48} \text{ cm}$ (d) $\sqrt{24} \text{ cm}$
9. A traffic signal board indicating 'SCHOOL AHEAD' is an equilateral triangle with side a, then area 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. The base of a triangle is 12 cm and height is 8 cm, then the area of a triangle is:
- (a) 24 cm^2 (b) 96 cm^2 (c) 48 cm^2 (d) 56 cm^2