

Class 7th Triangle and its Properties

- Sum of all the angles of a triangle is equal to _____.
a) 90° b) 180°
c) 270° d) 360°
- If one angle of a triangle is more than 90° , then it is known as _____ triangle.
a) Acute b) Right-angled
c) Obtuse d) Scalene
- In an equilateral triangle measure of each angle is equal to _____.
a) 180° b) 90°
c) 270° d) 60°
- The number of medians in a triangle is equal to _____.
a) 1 b) 2
c) 3 d) None of these
- A triangle whose angles measures are 25° , 65° and 90° , then it is known as _____.
a) Right-angled triangle
b) Isosceles triangle
c) Equilateral triangle
d) Scalene triangle
- Which of the below mentioned angles can form a triangle?
a) 27° , 65° , 93° b) 25° , 75° , 90°
c) 25° , 65° , 80° d) 45° , 65° , 70°
- In a triangle ABC, if $\angle A = 45^\circ$, $\angle B = 45^\circ$ then $\angle C$ is equal to _____.
a) 90° b) 45°
c) 65° d) 99°
- One of the acute angles of a right-angled triangle is 48° . Find the other acute angle.

- a) 42° b) 24°
 c) 65° d) 72°

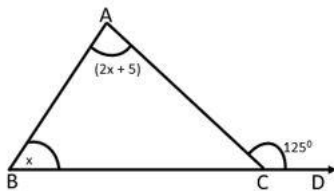
9. The angles of a triangle are in the ratio 2 : 3 : 5. The measure of the largest angle is _____.

- a) 30° b) 36°
 c) 54° d) 90°

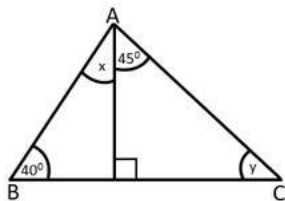
10. A triangle can have four vertices. Mark True / False.

- a) True b) False

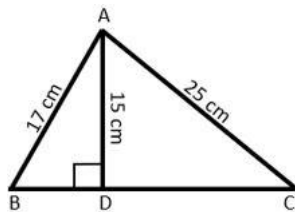
11. Find the value of 'x' in the below given figure



12. Find the value of 'x' and 'y' in the below given figure.



13. In the below given figure, $\angle ADB = 90^\circ$, $AB = 17$ cm, $AC = 25$ cm and $AD = 15$ cm. Find the value of BD.



14. One of the exterior angles of a triangle is 120° , and the interior opposite angles are equal to each other. What is the measure of these two angles?

15. If the measures of the angles of a triangle are $(2p)^\circ$, $(3p - 15)^\circ$ and $(4p - 12)^\circ$. Then find value of 'p' ?