

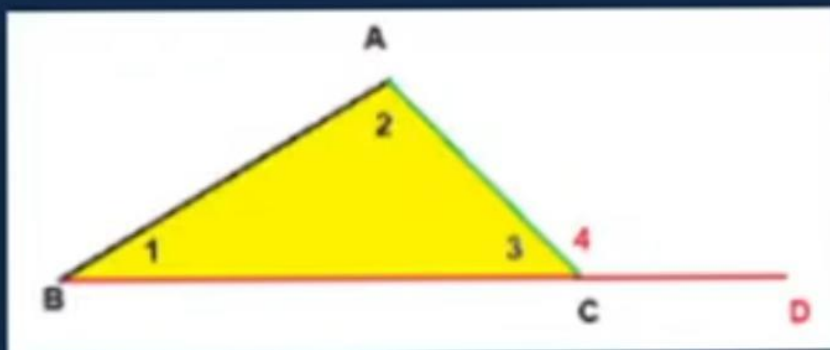
CASE STUDY 1

Ashok is studying in 9th class in Govt School, Chhatarpur. Once he was at his home and was doing his geometry homework.

He was trying to measure three angles of a triangle using the Dee, but his dee was old and his Dee's numbers were erased and the lines on the dee were visible.

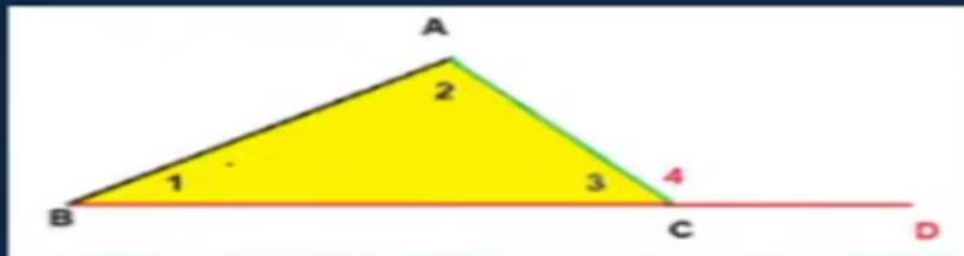
Let us help Ashok to find the angles of the triangle.

He found that the second angle of the triangle was three times as large as the first. The measure of the third angle is double of the first angle.



2. What was the value of $\angle 4$ as shown the figure?

1. 120°
2. 45°
3. 60°
4. 90°



1. What was the value of the $\angle 1$ angle?

1. 30°
2. 45°
3. 60°
4. 90°

3. What was the sum of all three angles measured by Ashok using Dee?

1. 270°
2. 180°
3. 100°
4. 90°

