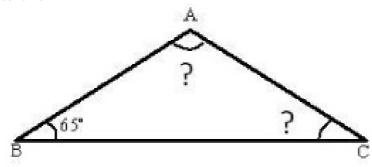


Exercise 5A

Question 3:



In  $\triangle ABC$ , if AB = AC

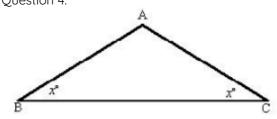
⇒ △ABC is an isosceles triangle

⇒ Base angles are equal

Also by angle sum property, we have

$$/\Delta + /B + /C = 180^{\circ}$$

Question 4:



Let ABC be an isosceles triangle in which AB=AC.

Then we have

$$\angle B = \angle C$$

Let 
$$\angle B = \angle C = x$$

Then vertex angle A = 2(x+x)=4x

Now, 
$$x + x + 4x = 180$$

$$\Rightarrow$$

$$6x = 180$$

$$\Rightarrow$$

$$x = \frac{180}{6} = 30$$

: Vertex ∠A = 4×30=120°

And, 
$$\angle B = \angle C = 30^{\circ}$$
.

\*\*\*\*\*\*\*\*\* END \*\*\*\*\*\*\*