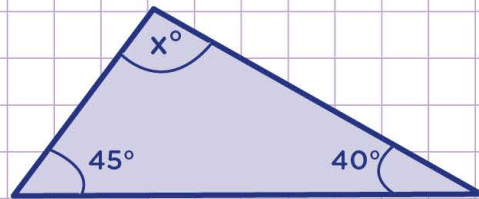


Name: Class:

Find missing angles in triangles

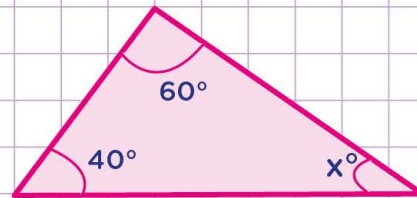
Remember that the sum of the angles in a triangle is always **180°**.

1. Determine the measure of angle **x**.



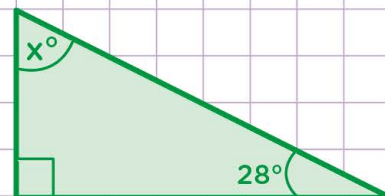
So the measure of **angle x** is

2. Determine the measure of angle **x**.



So the measure of **angle x** is

3. Determine the measure of angle **x**.



So the measure of **angle x** is

Name: Class:

Find missing angles in triangles

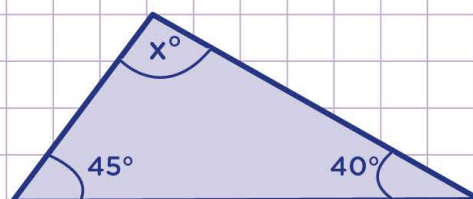
Remember that the sum of the angles in a triangle is always 180° .1. Determine the measure of angle x .

► Step 1: Add together the known angles

$$45^\circ + 40^\circ = 85^\circ$$

► Step 2: Subtract the sum from 180°

$$180^\circ - 85^\circ = 95^\circ$$

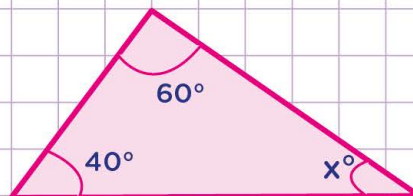
So the measure of angle x is **95°** 2. Determine the measure of angle x .

► Step 1: Add together the known angles

$$60^\circ + 40^\circ = 100^\circ$$

► Step 2: Subtract the sum from 180°

$$180^\circ - 100^\circ = 80^\circ$$

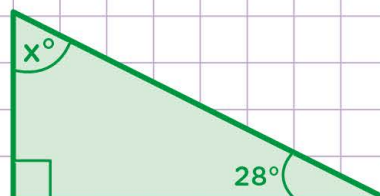
So the measure of angle x is **80°** 3. Determine the measure of angle x .► Notice: This triangle has a right angle = 90°

► Step 1: Add together the known angles

$$90^\circ + 28^\circ = 118^\circ$$

► Step 2: Subtract the sum from 180°

$$180^\circ - 118^\circ = 62^\circ$$

So the measure of angle x is **62°**