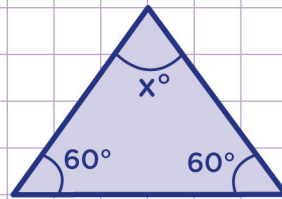


Name: Class:

Find missing angles in triangles

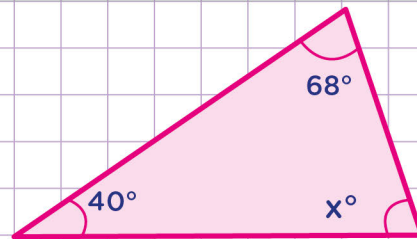
Remember that the sum of the angles in a triangle is always 180° .

1. Determine the measure of angle x .



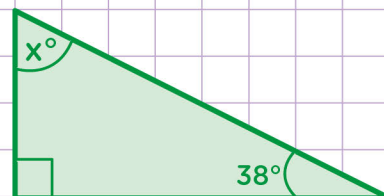
So the measure of angle x is

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

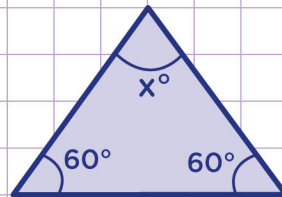


Name: Class:

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

$$60^\circ + 60^\circ = 120^\circ$$

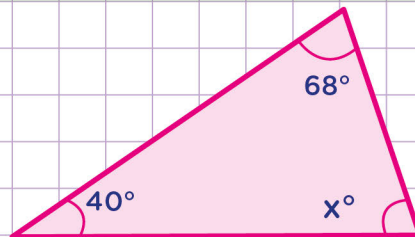
► **Step 2:** Subtract the sum from 180°

$$180^\circ - 120^\circ = 60^\circ$$

So the measure of angle x is

60°

2. Determine the measure of angle x.



► **Step 1:** Add together the known angles

$$68^\circ + 40^\circ = 108^\circ$$

► **Step 2:** Subtract the sum from 180°

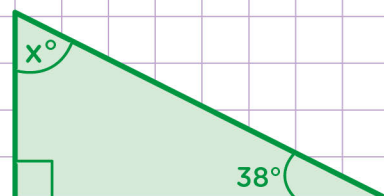
$$180^\circ - 108^\circ = 72^\circ$$

So the measure of angle x is

72°

3. Determine the measure of angle x.

► **Notice:** This triangle has a right angle = 90°



► **Step 1:** Add together the known angles

$$90^\circ + 38^\circ = 128^\circ$$

► **Step 2:** Subtract the sum from 180°

$$180^\circ - 128^\circ = 52^\circ$$

So the measure of angle x is

52°

