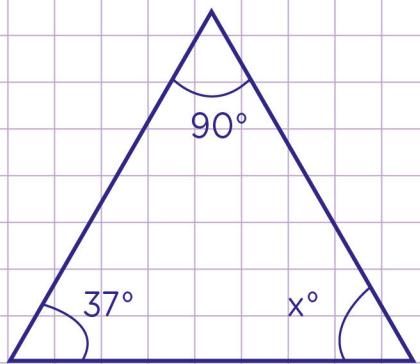


Name: ..... Class: .....

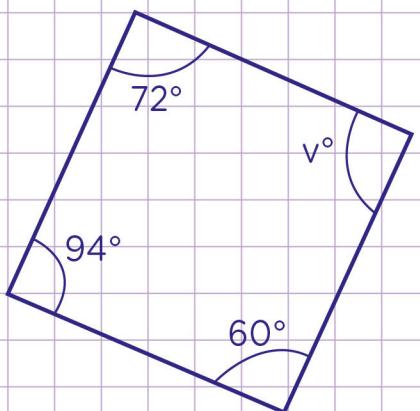
Find the unknown angle in triangles and quadrilaterals



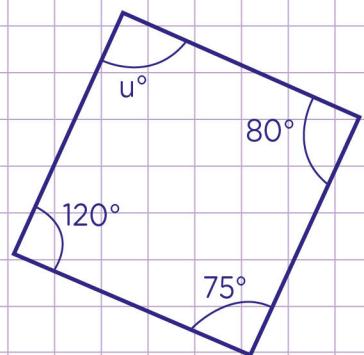
1. Find the angle  $x$ .



2. Find the angle  $v$ .



3. Find the angle  $u$ .

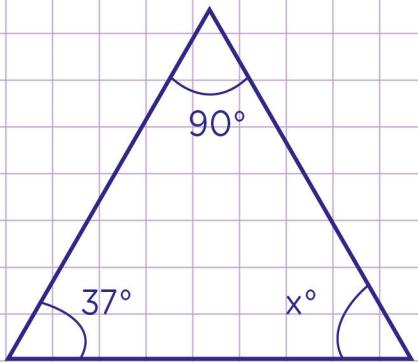


Name: ..... Class: .....

Find the unknown angle in triangles and quadrilaterals



1. Find the angle  $x$ .



We know that, the sum of angles in a triangle is always  $180^\circ$

Let's first of all write down the two angles we know.

$90^\circ$  and  $37^\circ$

Then to find  $x^\circ$ , we add both angles and subtract from  $180^\circ$

$$90^\circ + 37^\circ + x^\circ = 180^\circ$$

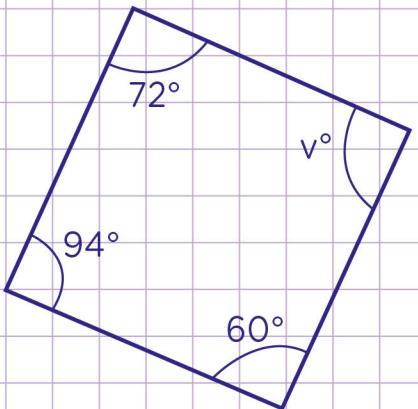
$$x^\circ = 180^\circ - (90^\circ + 37^\circ)$$

$$x^\circ = 180^\circ - 127^\circ$$

$$x^\circ = 53^\circ$$



2. Find the angle  $v$ .



We know that, the sum of angles in a quadrilateral is always  $360^\circ$

Let's first of all write down the given angles.

$72^\circ$ ,  $94^\circ$ , and  $60^\circ$

Then to find  $v^\circ$ , we add all the angles and subtract from  $360^\circ$

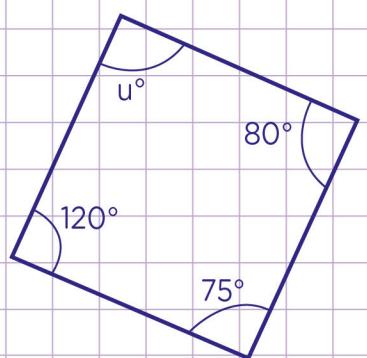
$$72^\circ + 94^\circ + 60^\circ + v^\circ = 360^\circ$$

$$v^\circ = 360^\circ - (72^\circ + 94^\circ + 60^\circ)$$

$$v^\circ = 360^\circ - 226^\circ$$

$$v^\circ = 134^\circ$$

3. Find the angle  $u$ .



We know that, the sum of angles in a quadrilateral is always  $360^\circ$

Let's first of all write down the given angles.

$120^\circ$ ,  $75^\circ$ , and  $80^\circ$

Then to find  $u^\circ$ , we add all the angles and subtract from  $360^\circ$

$$120^\circ + 75^\circ + 80^\circ + u^\circ = 360^\circ$$

$$u^\circ = 360^\circ - (120^\circ + 75^\circ + 80^\circ)$$

$$u^\circ = 360^\circ - 275^\circ$$

$$u^\circ = 85^\circ$$

