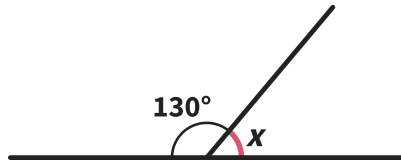


Angle Facts

ANSWERS

1

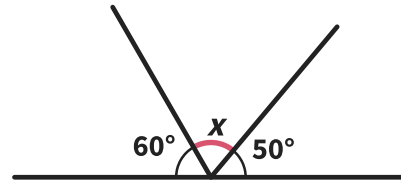
Find the size of angle x .



$$x = 180 - 130 = 50^\circ$$

2

Find the size of angle x .

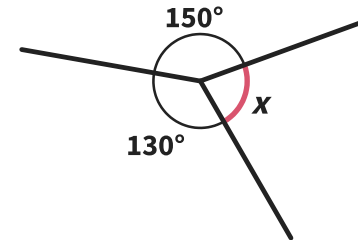


$$50 + 60 = 110$$

$$x = 180 - 110 = 70^\circ$$

3

Find the size of angle x .

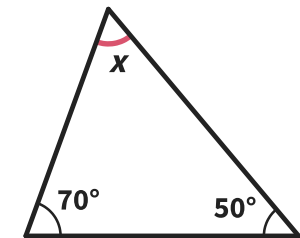


$$150 + 130 = 280$$

$$x = 360 - 280 = 80^\circ$$

4

Find the size of angle x .

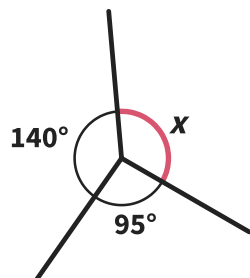


$$70 + 50 = 120$$

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

5

Find the size of angle x .

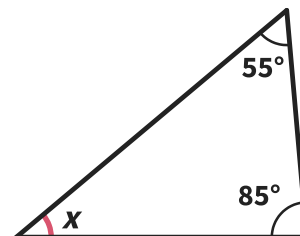


$$140 + 95 = 235$$

$$x = 360 - 235 = 125^\circ$$

6

Find the size of angle x .

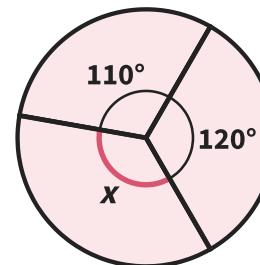


$$85 + 55 = 140$$

$$x = 180 - 140 = 40^\circ$$

7

A pizza is cut into three slices from the middle. Find x .

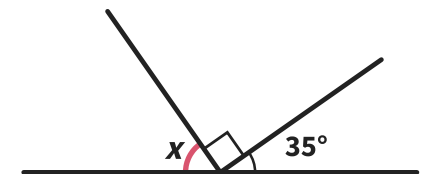


$$110 + 120 = 230$$

$$x = 360 - 230 = 130^\circ$$

8

The square marks a right angle. Find x .



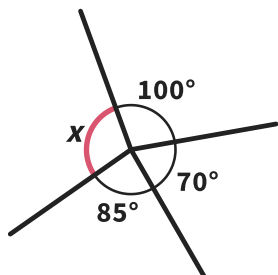
$$35 + 90 = 125$$

$$x = 180 - 125 = 55^\circ$$

9



Find the size of angle x .



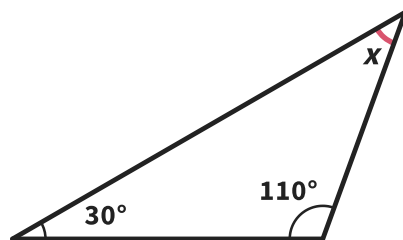
$$100 + 85 + 70 = 255$$

$$x = 360 - 255 = 105^\circ$$

10



Find the size of angle x .



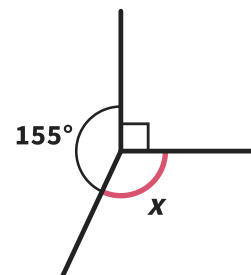
$$30 + 110 = 140$$

$$x = 180 - 140 = 40^\circ$$

11



Find the size of angle x .



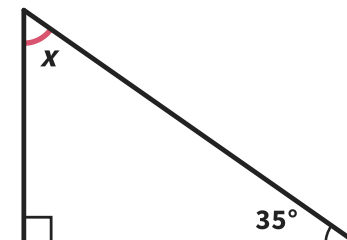
$$90 + 155 = 245$$

$$x = 360 - 245 = 115^\circ$$

12



A sail is a right angled triangle.
Find x .



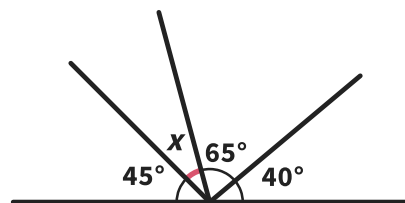
$$90 + 35 = 125$$

$$x = 180 - 125 = 55^\circ$$

13



Find the size of angle x .



$$40 + 65 + 45 = 150$$

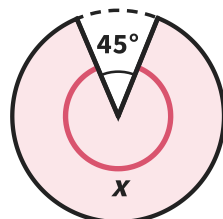
$$180 - 150 = 30$$

$$x = 30^\circ$$

14



One slice is cut out of a round cake. Find x .



$$360 - 45 = 315$$

$$x = 315^\circ$$

15



Can a triangle have angles of 80° , 60° and 50° ? Show how you know.



$$80 + 60 + 50 = 190$$

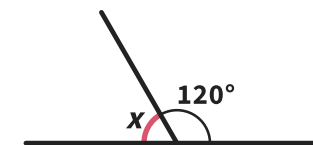
A triangle adds to 180

Answer No

16



Sam says $x = 360 - 120 = 240^\circ$.
What has he done wrong?



Angles on a straight line add up to 180° , not 360° .

So $x = 60^\circ$