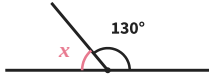


Angle Facts

1

Find the size of angle x . Give a reason for each step.

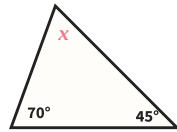


Reason: angles on a straight line add to 180°

Answer $x =$ _____

2

Find the size of angle x . Give a reason for each step.

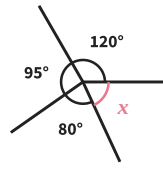


Reason: angles in a triangle add to 180°

Answer $x =$ _____

3

Find the size of angle x . Give a reason for each step.

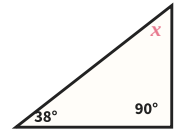


straight line around a point triangle
isosceles

Answer $x =$ _____

4

Find the size of angle x . Give a reason for each step.

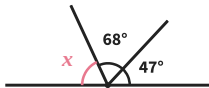


straight line around a point triangle
isosceles

Answer $x =$ _____

5

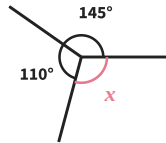
Find the size of angle x . Give a reason for each step.



Answer $x =$ _____

6

Find the size of angle x . Give a reason for each step.



Answer $x =$ _____

7

Three angles on a straight line are x , $2x$ and $3x$. Find x .

Answer _____

8

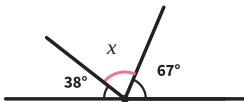
Two angles in a triangle are 65° and 48° . Find the third angle.

Answer _____

Angle Facts *further practice*

9

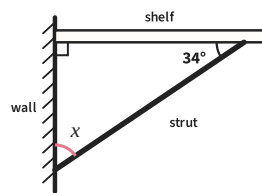
Find the size of angle x . Give a reason for each step.



Answer _____

10

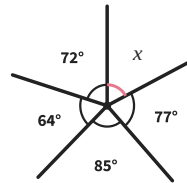
A shelf bracket is fixed to a wall. The wall and the shelf meet at a right angle. Find the size of angle x .



Answer _____

11

Five straight paths meet at a fountain. Find the size of angle x between two of the paths.



Answer _____

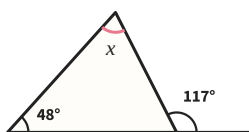
12

Can a triangle have angles of 52° , 61° and 74° ? Show how you know.

Answer _____

13

Find the size of angle x . Give a reason for each step.



Answer _____

14

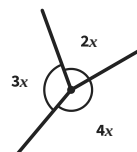
The end of a tent is an isosceles triangle. The angle at the top is 112° . Find the size of angle x between the side of the tent and the ground.



Answer _____

15

Three angles around a point are $2x$, $3x$ and $4x$. Find the size of the largest angle.



Answer _____

16

A triangle has a right angle. Sam says the other two angles must both be acute. Is Sam right? Explain.

Answer _____