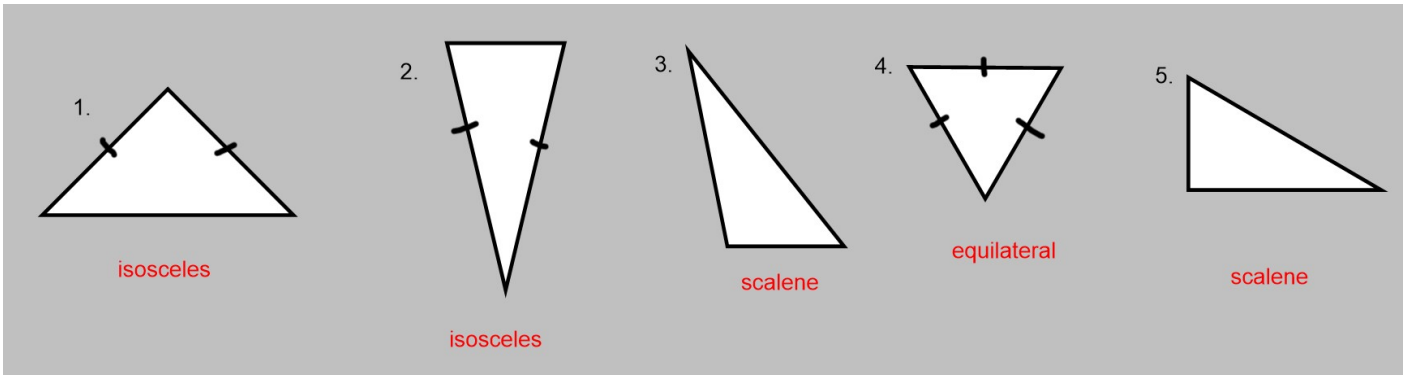
Y4 – Maths – Shape – Lesson 5 – ANSWERS



Challenge

An isosceles triangle has a perimeter of 12 cm.

One of its sides is 5 cm.

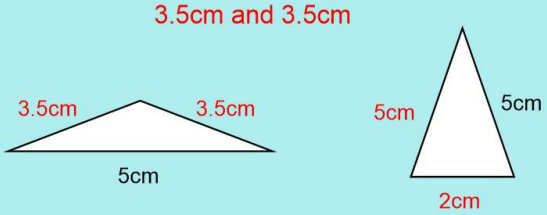
What could the length of each of the other two sides be?

Two different answers are possible.

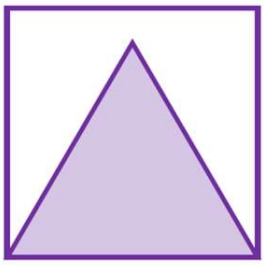
Give **both** answers.

5cm and 2cm

3.5cm and 3.5cm



Here is a square.
Inside the square is an equilateral triangle.
The perimeter of the square is 60 cm.
Find the perimeter of the triangle.



The perimeter of the triangle is 45 cm.

Perimeter of square is 60cm.

Divide by 4 to get one side of square.

60 ÷ 4 = 15cm

So the side of the equilateral triangle is 15cm.

The perimeter of the triangle is 45cm.

Eva

If I use 6 straws to make a triangle, I can only make an equilateral triangle.

Investigate whether Eva is correct.

Eva is correct.
2, 2, 2 is the only possible construction. 1, 1, 4 and 1, 2, 3 are not possible.