

Starter 21st September

Question 5

The diagram shows an isosceles triangle.

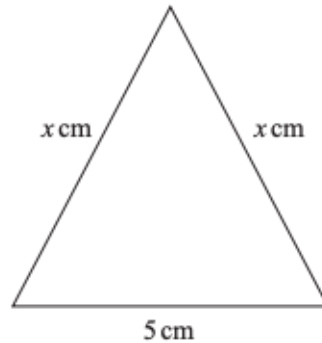


Diagram NOT
accurately drawn

The area of the triangle is 12 cm^2

Work out the perimeter of the triangle.

Give your answer correct to 3 significant figures.

..... cm

(4 marks)

Question 9

Here is triangle ABC .

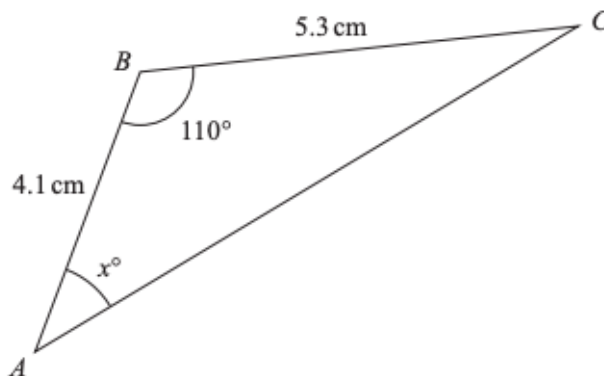


Diagram NOT
accurately drawn

Calculate the value of x .

Give your answer correct to 3 significant figures.

$x = \text{.....}^\circ$

(5 marks)

Question 10

A bowl contains n pieces of fruit.

Of these, 4 are oranges and the rest are apples.

Two pieces of fruit are going to be taken at random from the bowl.

The probability that the bowl will then contain $(n - 6)$ apples is $\frac{1}{3}$

Work out the value of n .

.....

(6 marks)
