

10th September

Corbettmaths

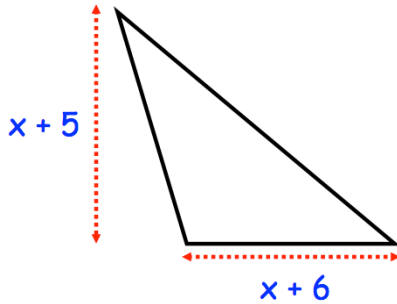
Bethan owns 10 shops and 5 restaurants.
She is going to visit three of her
businesses and writes her list in order.
The order will be:

shop, restaurant, shop

or

restaurant, shop, restaurant

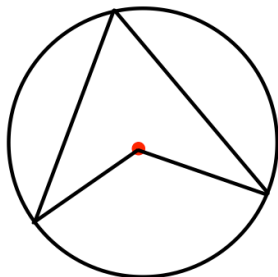
How many different lists can Bethan
write?



Shown is a triangle with area 19cm^2 .
Find the value of x

Solve $x^2 - 4x - 11 = 0$
using completing the square.

Work out $2\sqrt{75} + 5\sqrt{27}$



Prove that the angle at the centre is
twice the angle at the circumference.