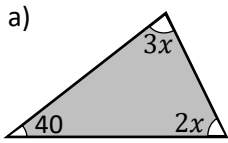


Name: _____

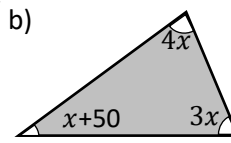


maths-school.co.uk

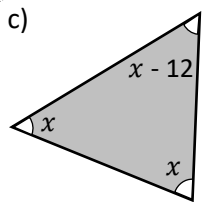
By forming an equation, calculate the value x :



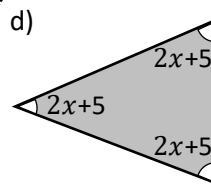
$x = 28$



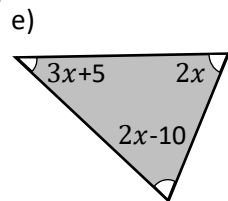
$x = 16.25$



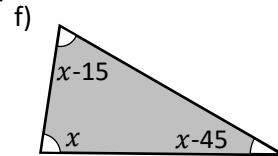
$x = 64$



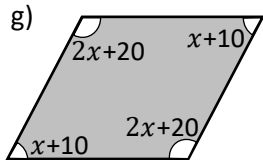
$x = 27.5$



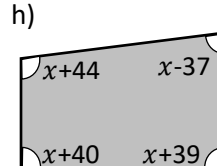
$x = 26.43$



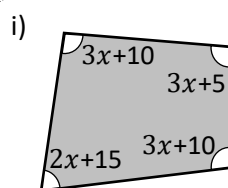
$x = 80$



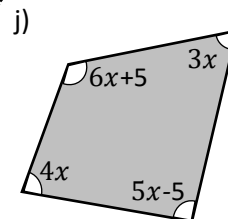
$x = 50$



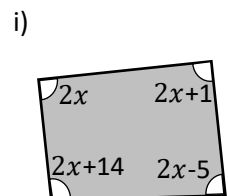
$x = 68.5$



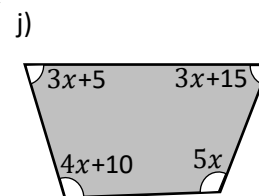
$x = 29.09$



$x = 20$



$x = 43.75$



$x = 22$

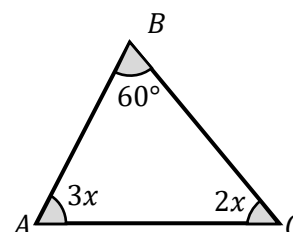
Exam question:

ABC is a triangle.

$\angle BAC = 3x$, $\angle BCA = 2x$ and $\angle ABC = 60^\circ$.

Find the value of x .

$x = 24$

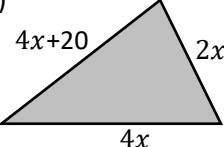


Name: _____

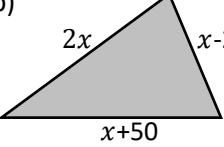


maths-school.co.uk

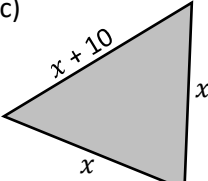
Write an algebraic expression for the perimeter of the following shapes:
Hence find the value of x for the given perimeters

a)  Perimeter = 200cm

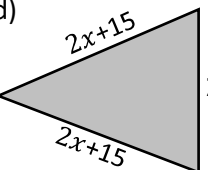
$x = 18$

b)  Perimeter = 110cm

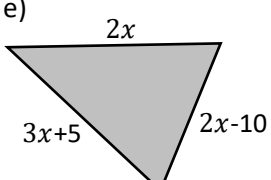
$x = 20$

c)  Perimeter = 190cm

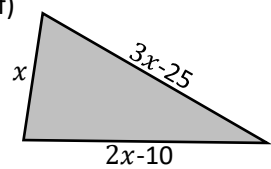
$x = 60$

d)  Perimeter = 385cm

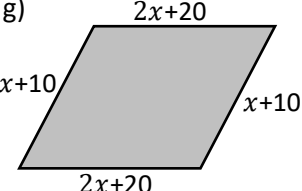
$x = 60$

e)  Perimeter = 275cm

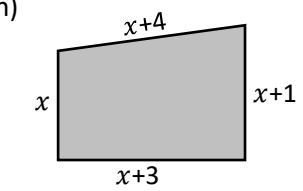
$x = 40$

f)  Perimeter = 115cm

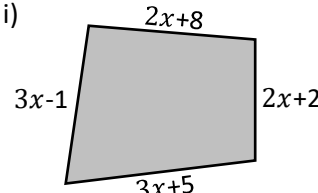
$x = 25$

g)  Perimeter = 78cm

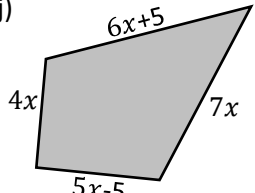
$x = 3$

h)  Perimeter = 40cm

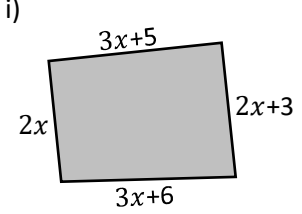
$x = 8$

i)  Perimeter = 84cm

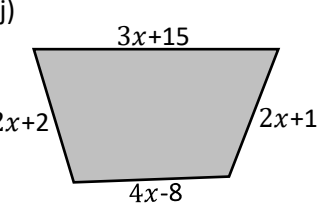
$x = 7$

j)  Perimeter = 88cm

$x = 4$

k)  Perimeter = 74cm

$x = 6$

l)  Perimeter = 230cm

$x = 20$

Exam question:

ABC is a triangle.
The length of $AB = 3x+2$, $BC = 3x+5$ and $AC = 3x+4$
If the perimeter is 83cm, work out the value of x

$x = 8$

