Q1 Given that x = 4; y = 10; z = 5 find the value of
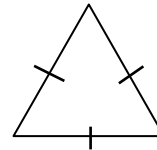
a) 2x   b) z^2 + 4   c) 2xy   d) xy – 7z   e) y^2 - z^2

Q2 Write down a formula for calculating the Perimeter of these shapes:-

(a)

4

4x + 2

(b)

2x

6x

3x + 5

(c)

2x
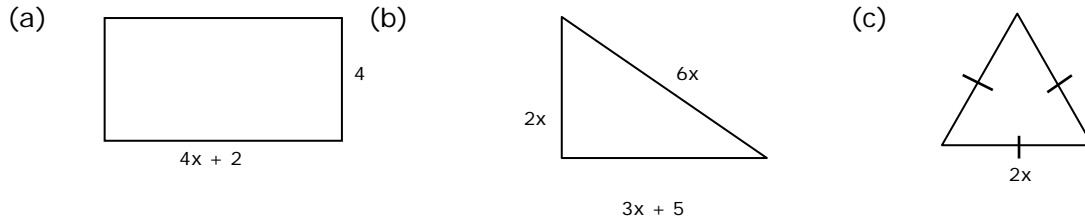
Q3 The perimeter of an equilateral triangle is given by
P = 3x where x is the length of one side.

a) Find the perimeter when x = 4.2 cm
b) Find the length of a side when P = 22.2 cm

Q4 A taxi company uses a formula to work out the cost (£C) of each journey:-

To calculate C, use the formula   C = 1.5m + 2.20
Where m stands for number of miles travelled

Calculate the cost of journeys which are :-

a) 8 miles
b) 15 miles

Q5 The Current, C amps, of an electrical appliance Is
calculated using the formula:-

C = P/240 , where P watts is the power rating

A hoover has a power rating of 1400 watts.
The fuse should be the one just bigger than the
power rating
The choice of fuses is 3amp, 5 amp, 13 amp

Which fuse should be used.