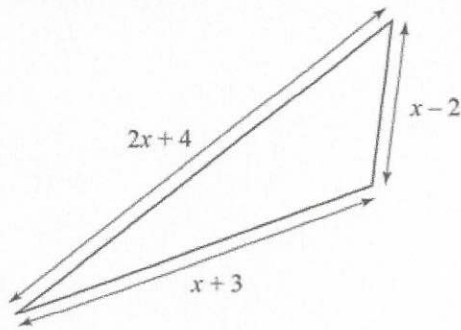


26th December



Corbettmaths



The perimeter of the triangle is 53cm.
Find x.

$$\begin{aligned} 4x + 5 &= 53 \\ -5 &\quad -5 \\ \hline 4x &= 48 \\ x &= 12 \end{aligned}$$

Calculate the density of block of metal with volume 20cm^3 and mass 85g

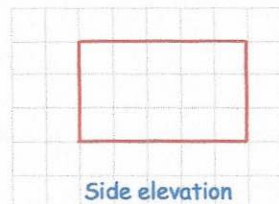
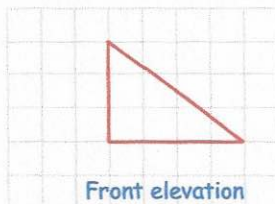
$$d = \frac{m}{v} = \frac{85}{20} = 4.25$$

$$4.25 \text{ g/cm}^3$$

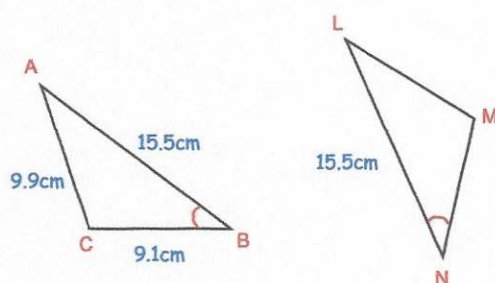
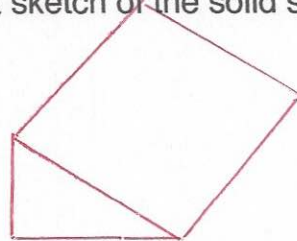
A line has gradient 3 and passes through the point (0, 1).

Write down the equation of the line.

$$y = 3x + 1$$



Draw a sketch of the solid shape.



ABC and LMN are congruent triangles.
Angle B = Angle N

Write down the length of MN.

$$9.1\text{cm}$$