

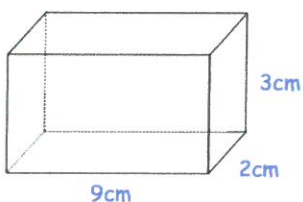
26th January



Corbettmaths

Solve $\frac{x}{2} - 3 = 7$

$$\begin{aligned}\frac{x}{2} - 3 &= 7 \\ \frac{x}{2} &= 7 + 3 \\ \frac{x}{2} &= 10 \\ x &= 2 \times 10 \\ x &= 20\end{aligned}$$



Work out the volume of the cuboid.

$$\begin{aligned}V &= lwh \\ l &= 9 \quad b = 2 \quad h = 3 \\ V &= 9 \times 2 \times 3 \\ V &= 54 \text{ cm}^3\end{aligned}$$

Scale: 1cm represents 100km



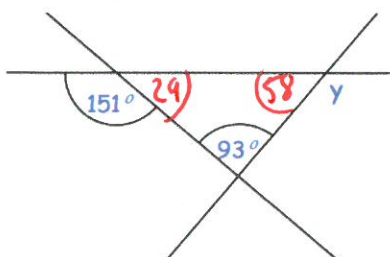
Calculate the actual distance from C to D

$$\begin{aligned}CD &\text{ is } 3.4 \text{ cm} \\ 1 \text{ cm reps } 100 \text{ km} \\ 3.4 \text{ cm reps } 3.4 \times 100 \\ &= 340 \text{ km}\end{aligned}$$

The weight of a 2p coin is 7g.

Find the weight of £8 worth of 2p coins.
Give your answer in kilograms.

$$\begin{aligned}\pounds 8 &= 800 \text{ p} \\ 800 \div 2 &= 400 \\ 400 \times 7 &= 2800 \text{ g} \\ &= 2.8 \text{ kg}\end{aligned}$$



Above are 3 straight lines.

Find the size of angle y.

$$y = 122^\circ$$