

Area: 5cm<sup>2</sup>

Perimeter: 12cm

Write down a suitable metric unit to measure:

a) The length of a pencil

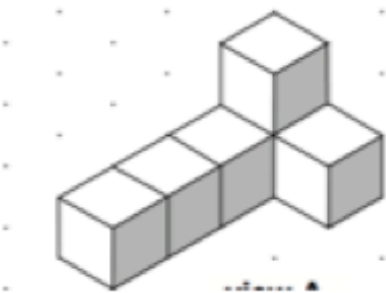
*centimetres  
(or millimetres)*

b) The amount of juice in a glass

Millilitres

c) The distance between Cardiff and Swansea

*kilometres*



Draw the plan view of this solid.



Solve

$$y + 4 = 13$$

$$y = 9$$

Solve

$$4x = 24$$

$$x = 6$$

Solve

$$2w - 1 = 11$$

$$2w = 12$$

$$w = 6$$

February 7th	5-a-day	Foundation
<p>Jean feeds her cat <math>\frac{2}{3}</math> of a can of cat food daily.</p> <p>How many cans will she need for one week?</p> <p style="text-align: center;">(5)</p>		$\frac{2}{3} \times 7 = \frac{14}{3}$ $4\frac{2}{3}$
<p>Increase £220 by 15%.</p> $220 \times 1.15 = \pounds 253$		
<p>Jim, Kelly and Beth share money in the ratio 4:3:5.</p> <p>Beth receives £40.</p> <p>How much more than Kelly, does Beth receive?</p>	$\div 5 = 8 \text{ in 1 part.}$ $3 \times 8 = 24$ $40 - 24 = \pounds 16$	<div style="border: 1px solid red; padding: 5px; display: inline-block;">       or <math>8 \times 2 = \pounds 16</math> </div>
<p>A taxi journey costs £3 plus 50p per mile.</p> <p>How much will a 7 mile journey cost?</p>		$7 \times 50p = \pounds 3.50$ $\pounds 6.50$
$\frac{3}{4} \times \frac{2}{9} = \frac{6}{36} = \frac{1}{6}$		

February 7

5-a-day

Higher

Factorise  $35w - 45y$ 

$$5(7w - 9y)$$

Work out

$$4.2 \times 10^6 \times 3 \times 10^4$$

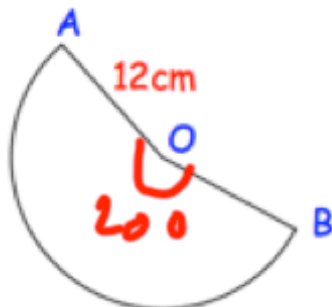
$$12.6 \times 10^{10}$$

$$1.26 \times 10^{11}$$

Work out

$$(2.5 \times 10^3) \times (3 \times 10^3)$$

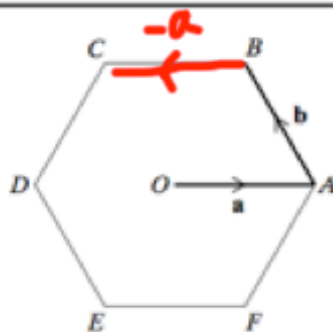
$$7.5 \times 10^6$$

Angle AOB is  $160^\circ$ .

Calculate the area of the sector shown.

$$\frac{160}{360} \times \pi \times 12^2$$

$$80\pi \text{ cm}^2 \quad 251.3 \text{ cm}^2$$



Shown is a regular hexagon.

Write down the vector AC.

$$\underline{\underline{\mathbf{b} - \mathbf{a}}}$$