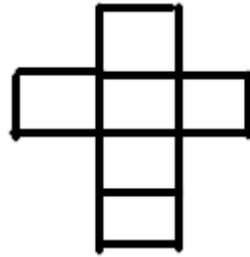




Pyramid
(Square based)

What solid is this the net for?

Sketch the net for a Cube



Work out $\frac{1}{3}$ of 21

7

Work out $\frac{3}{5}$ of 35

$$35 \div 5 = 7$$

$$3 \times 7 = 21$$



Which shape has no lines of symmetry?

B

Which shape has no rotational symmetry?

A

Nottingham		Manchester		Liverpool		Glasgow
101		56		348		
158		346				
446						

What is the distance between Nottingham and Liverpool?

158

Which two towns are the furthest distance apart?

Nottingham and Glasgow

Solve the equation

$$x + 10 = 21$$

$$-10 \quad -10$$

$$x = 11$$

Solve the equation

$$2w - 3 = 5$$

$$+3 \quad +3$$

$$2w = 8$$

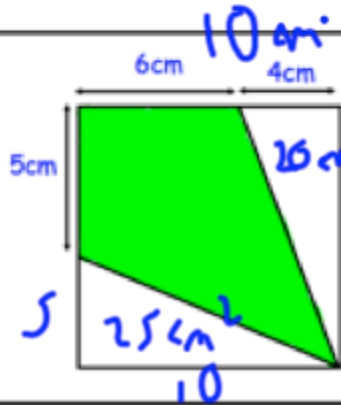
$$w = 4$$

What is the sum of the interior angles of a pentagon?

$$540^\circ$$

What is the sum of the interior angles of a hexagon?

$$720^\circ$$



$$10 \times 10 = 100 \text{ cm}^2$$

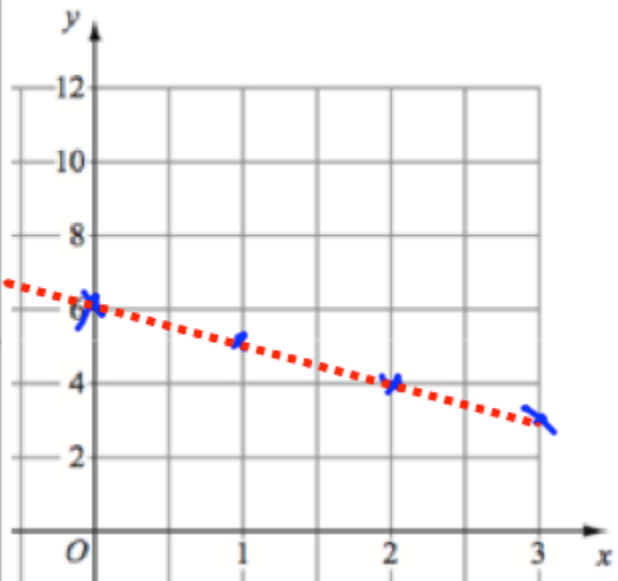
$$20 + 25 = 45 \text{ cm}^2$$

Shown is a green quadrilateral inside a square. Work out the area of the green quadrilateral.

$$100 - 45 = 55 \text{ cm}^2$$

x	-1	0	1	2
y	7	6	5	4

Complete the table for $y = 6 - x$



Draw the graph of $y = 6 - x$ on the grid.

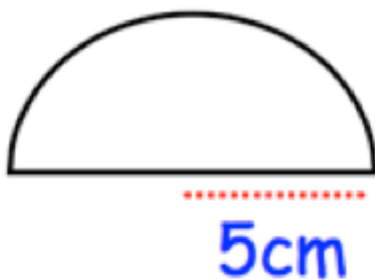
What is the reciprocal of 0.4?

$$0.4 = \frac{2}{5}$$

$$\frac{5}{2} \text{ or } 2\frac{1}{2} \text{ or } 2.5$$

How far would you travel if you drove at 60mph for 5 hours 15 minutes?

$$5.25 \times 60 = 315 \text{ miles}$$



Calculate the area of this semi-circle.

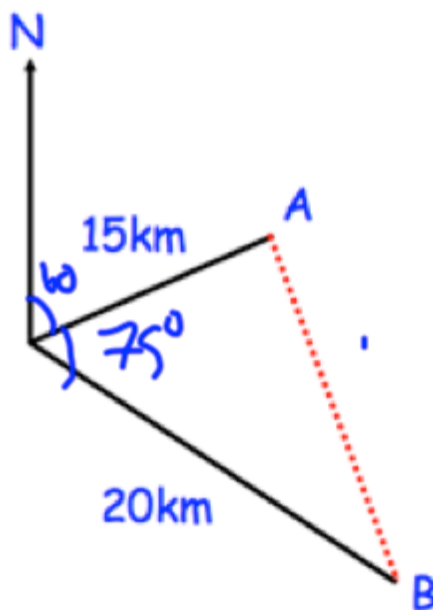
$$\frac{1}{2}(\pi \times 5^2) = 39.27 \text{ cm}^2$$

Make w the subject of

$$a = 4w - 3$$

$$a + 3 = 4w$$

$$w = \frac{a + 3}{4}$$



Helicopter A traveled 15km on a bearing of 060°

Helicopter B traveled 20km on a bearing of 135°

Calculate the distance between A and B.

$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$a^2 = 15^2 + 20^2 - 2 \times 15 \times 20 \times \cos 75$$

$$a^2 = 469.7085729$$

$$a = 21.67 \text{ km}$$