

May 6th

5-a-day

Numeracy

Write down the value of 55 twenty pence pieces

$$55 \times 20 = 1100 \text{ pence} = 11 \text{ pounds}$$

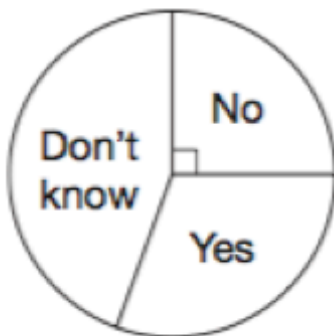
£11

Write $\frac{3}{5}$ as a decimal

0.6

Write $\frac{3}{5}$ as a percentage

60%



If 60 people were surveyed, how many said 'No?'

$$60 \div 4 = 15$$

6cm



5cm

Work out the area of the rectangle

$$6 \times 5 = 30 \text{ cm}^2$$

Work out

$$100 - 5^2 \times 2$$

$$100 - 25 \times 2$$
$$100 - 50 = 50$$

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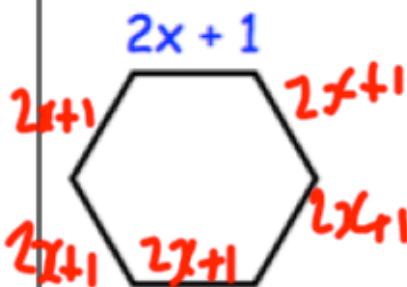
5-a-day

Foundation



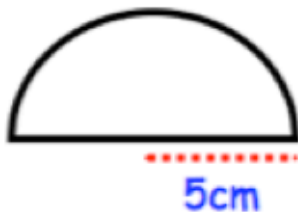
Calculate the area of this parallelogram

$$21 \text{ cm}^2$$



Write an expression for the perimeter of this regular hexagon.

$$12x + 6$$



Calculate the area

$$(\pi \times 5^2) \div 2$$

$$39.27 \text{ cm}^2$$

$$2\frac{2}{3} + 1\frac{1}{5}$$

$$\frac{8}{3} + \frac{6}{5}$$

$$\frac{40}{15} + \frac{18}{15} = \frac{58}{15}$$

$$3\frac{13}{15}$$

The weight of a seal was 4kg in January.

In February the weight of the seal was 5kg.

What is the percentage increase?

$$\frac{1}{4} \times 100 = 25\%$$

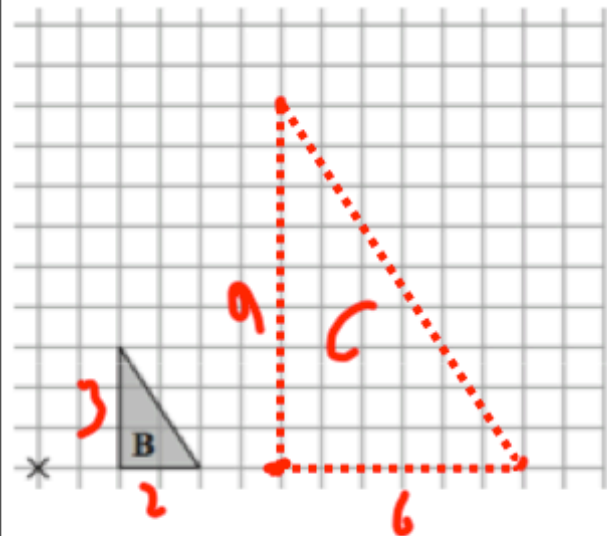
Calculate the radius of a circle with area 20cm^2

$$20 = \pi r^2$$

$$r^2 = \frac{20}{\pi}$$

$$r = 2.523\text{cm}$$

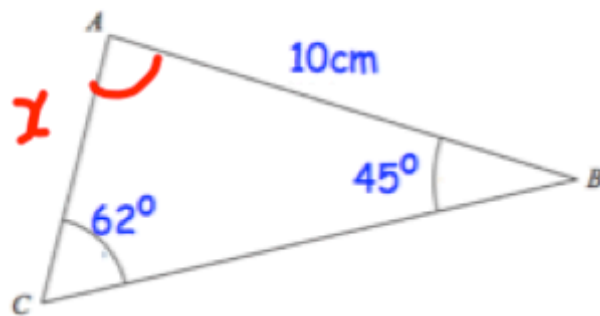
Enlarge B by scale factor 3. Label the new triangle C.



How many times larger is the area of C than B?

$$B = 3\text{cm}^2$$

$$C = 27\text{cm}^2 \quad 27 \div 3 = 9 \text{ times larger}$$



Find the length of AC.

$$\frac{x}{\sin 45} = \frac{10}{\sin 62}$$

$$x = 8.008\text{cm}$$

Find angle BAC

$$180 - 62 - 45$$

$$= 73^\circ$$

Find the area of the triangle

$$\frac{1}{2} \times 10 \times 8.008 \times \sin 73$$

$$38.29\text{cm}^2$$