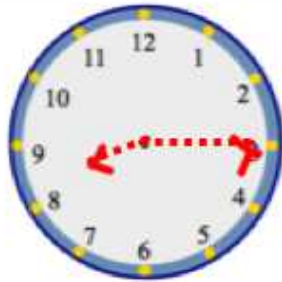


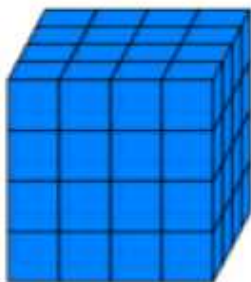


Nick buys a cola for 84p. How much change will he receive from £1?

$$\begin{array}{r} \overset{0}{1} \overset{0}{0} \\ - 84 \\ \hline 16 \end{array} \quad 16p$$



Show the time 8:15 on the clock



If each cube is 1cm^3 , what is the volume of this shape?

$$64\text{cm}^3$$



A safe usually costs £240
It is reduced in price by 20%

What is the reduction?

$$\begin{aligned} 10\% &= \pounds 24 \\ 20\% &= \pounds 48 \\ \pounds 240 - \pounds 48 &= \\ &\pounds 192 \end{aligned}$$

Work out $\frac{2}{3}$ of 453

$$\begin{array}{r} 151 \\ 3 \overline{) 453} \\ \underline{3} \\ 15 \\ \underline{15} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

$$\begin{array}{r} 151 \\ \times 2 \\ \hline 302 \end{array}$$

302

Tim buys x packets of sweets.
Each packet is 15 pence each.

Write an expression for the total cost, in pence

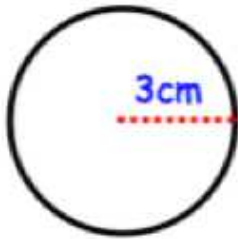
$$15x$$

He pays with a £5 note.

Write down an expression for his change, in pence.

$$500 - 15x$$

Calculate the area



$$\pi \times r^2$$

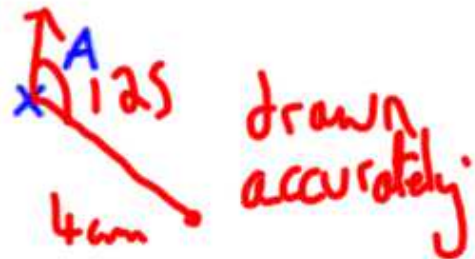
$$\pi \times 3^2$$

$$\pi \times 9 = 28.27 \text{ cm}^2$$

B is on a bearing of 125° from A

B is 4cm from A.

Mark on the diagram where B is.



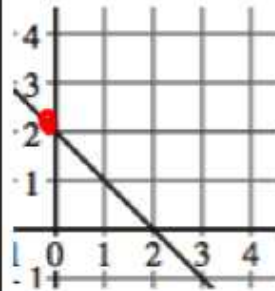
Mary is answering a bearings question and she measured a bearing as 78° .

Her teacher says she has measured it correctly but it needs 3 figures. What should her answer be?

$$078^\circ$$

Write down the equation of this line

$$y = -x + 2$$



March 20th	5-a-day	Higher
<p>A particle travels for</p> 2×10^3 <p>seconds, at a speed of</p> 5×10^5 <p>m/s</p>	<p>How far does the particle travel, in kilometres?</p> $2 \times 10^3 \times 5 \times 10^5$ $= 10 \times 10^8$ $= 1 \times 10^9 \text{ m}$ $= 1 \times 10^6 \text{ km}$	
<p>Here are three lines</p> $y = 4x + 1$ $2y = 8x + 7$ $2y = 4x + 7$ $y = 4x + 3.5$ $y = 2x + 3.5$	<p>Which lines are parallel and why?</p> $y = 4x + 1$ $2y = 8x + 7$	
<p>Find the LCM of 23 and 29</p> $23 \times 29 =$ 667		
<p>Factorise</p> $x^2 - x - 30$ $(x - 6)(x + 5)$	$\frac{160}{500} \times 30 = 9.6$ $\frac{200}{500} \times 30 = 12$ $\frac{140}{500} \times 30 = 8.4$	
<p>A stratified sample of 30 students is needed. How many students should be selected from each year?</p> <p>Year 7 160</p> <p>Year 8 200</p> <p>Year 9 140</p>	<p>Year 7 <u>10</u></p> <p>Year 8 <u>12</u></p> <p>Year 9 <u>8</u></p>	