

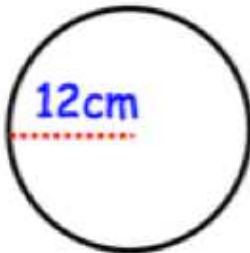
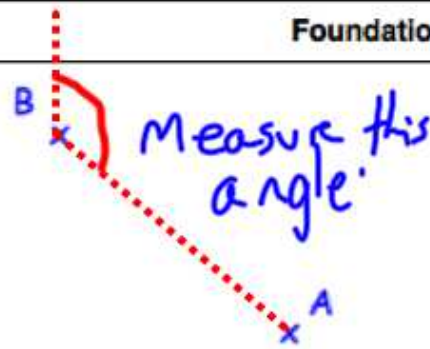
March 26th	5-a-day	Numeracy
<p>List the first 5 square numbers</p> <p>149 16 25</p>	<p>List the first 5 prime numbers</p> <p>2 3 5 7 11</p>	
<p>How many seconds are in one hour?</p> <p><math>60 \times 60</math> <math>= 3600</math></p>	<p>How many seconds are in one day?</p> <p>3600  <math>\times 24</math>  <math>\hline 14400</math>  <math>72000</math>  <math>\hline 86400</math></p> <p>86400</p>	
<p>A machine takes 45 seconds to fill and seal a bottle of water. How many bottles can it fill and seal in 10 minutes?</p> <p>45 <math>\overline{) 600}</math> 13 R 15</p>	<p>13</p> <p>45 90 135 180</p>	
<p><math>3 + 5 \times 2</math></p> <p>3 + 10 13</p>	<p><math>3 \times 7^2</math></p> <p>3 x 49 147</p>	
<p>Barry says 6 divided by 0 is 0.</p> <p>Is he correct? No, it is not possible to divide by 0.</p>		

March 26th

5-a-day

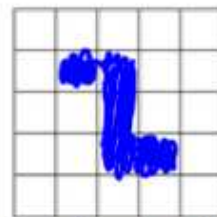
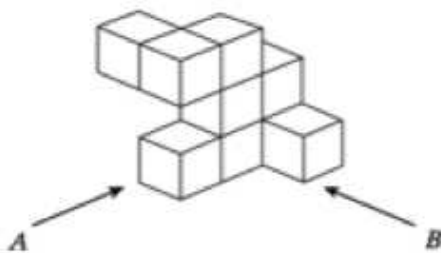
Foundation

Measure the bearing of A from B.



Calculate the area

$$\pi \times 12^2 = 452.4 \text{ cm}^2$$



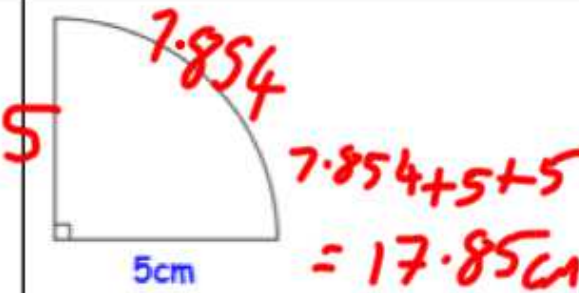
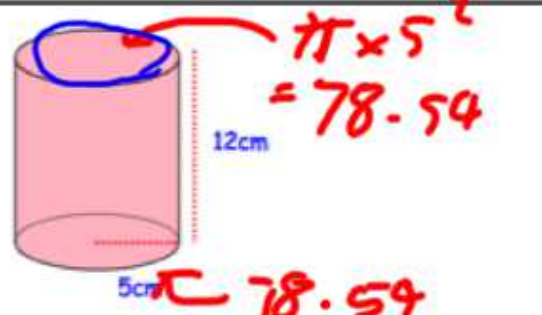
Draw the view from A

$$3 \frac{1}{2} \times \frac{4}{5}$$

$$\frac{7}{2} \times \frac{4}{5} = \frac{28}{10} = \frac{14}{5}$$
$$2 \frac{4}{5}$$

Complete this table for the graph  $y=x^2 + 3$

x	-2	-1	0	1	2
y	7	4	3	4	7

March 26th	5-a-day	Higher
Factorise fully $21xy - 7y^2$	$7y(3x - y)$	
Calculate the perimeter of this quarter circle $(\pi \times 10) \div 4$ $= 7.854$		
Write down the formula to work out frequency density $\text{Frequency density} = \frac{\text{Frequency}}{\text{Class width}}$		
y varies directly with the cube of x y = 108 when x = 3 $y \propto x^3$ $y = kx^3$	Express y in terms of x $108 = k \times 3^3$ $108 = k \times 27$ $k = 4$ $y = 4x^3$	
	Calculate the surface area curved surface $\pi \times 10 \times 12$ $= 376.99$ $78.54 + 78.54 + 376.99$ $534 \text{ cm}^2$	