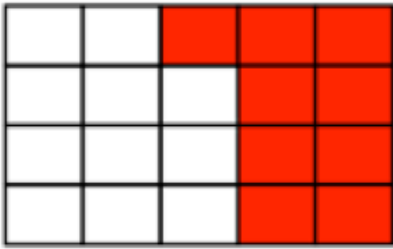
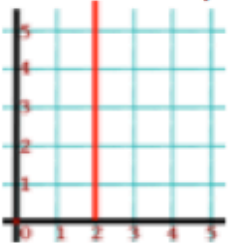
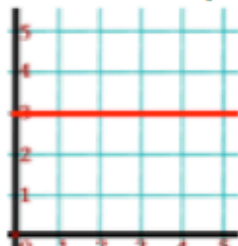

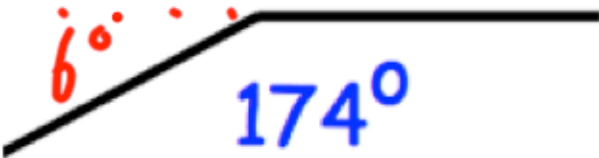
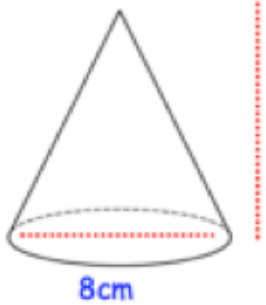


June 13th	5-a-day	Numeracy
<p>Write nine thousand and four in figures</p> <p style="text-align: center; color: red; font-size: 2em;">9004</p>	<p>What is the value of the digit 8 in 25789</p> <p style="text-align: center; color: red; font-size: 2em;">80</p> <p style="text-align: center; color: red; font-size: 2em;">Eighty</p>	
	<p>What percentage of the shape is shaded?</p> <p style="text-align: center; color: red; font-size: 2em;">$\frac{9}{20}$</p> <p style="text-align: center; color: red; font-size: 2em;"><u>45%</u></p>	
<p>7 4 3 8 12 8 7 1 5 7 7</p> <p>Find the mode 7</p> <p>Find the range 12 - 1 = 11</p>	<p>Find the median</p> <p style="color: red; font-size: 2em;">1 3 4 5 7 7 7 7</p> <p style="color: red; font-size: 2em;">8 8 12</p> <p style="text-align: center; color: blue; font-size: 2em;">7</p>	
<p>Paul has six coins in his pocket.</p> <p>The total value of the coins is £6.80.</p> <p>List the six coins.</p>	<p style="color: red; font-size: 2em;">£2 £2 £2</p> <p style="color: red; font-size: 2em;">50p 10p 10p</p>	
<p>A coffee costs £1.35</p> <p>Paul buys four coffees.</p> <p>What is the total cost of the four coffees?</p> <p style="color: red; font-size: 2em;">£5.40</p>	<p>He pays with a £10 note.</p> <p>How much change does he get?</p> <p style="color: red; font-size: 2em;">£4.60</p>	

June 13	5-a-day	Foundation								
<p>What is the equation of the line?</p>  <p>$x = 2$</p>	<p>What is the equation of the line?</p>  <p>$y = 3$</p>									
<p>Jose has some counters.</p> <p>20% are red. $\frac{1}{2}$ are green. The rest are blue.</p> <p>There are 24 blue counters. How many green counters are there?</p>	<p>$30\% = 24$ $10\% = 8$ $100\% = 80$</p>									
<p>Make u the subject of</p> <p>$v = u + 5t$</p>	<p>$v - 5t = u$</p>									
 <p>$\frac{1}{2}(a+b) \times h$ $\frac{1}{2}(6+10) \times 4$</p>	<p>Calculate the area of the trapezium</p> <p>$8 \times 4 = 32 \text{ cm}^2$</p>									
<table border="1" data-bbox="188 1653 783 1776"> <tr> <td>Pattern number</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>Number of sticks</td> <td>7</td> <td>12</td> <td>17</td> </tr> </table> <p>How many sticks are in Pattern number 6?</p> <p>4 5 6 22 27 32</p>	Pattern number	1	2	3	Number of sticks	7	12	17	<p>Write an expression for the number of sticks in Pattern number n.</p> <p>$5n + 2$</p>	
Pattern number	1	2	3							
Number of sticks	7	12	17							

June 13	5-a-day	Higher
<p>Expand and simplify</p> $5(3x + 2) - 3(2x - 5)$ $15x + 10 - 6x + 15$	$9x + 25$	
	<p>Shown is part of a regular polygon. How many sides does it have?</p> $360 \div 6 = 60 \text{ sides}$	
<p>Express as a single fraction.</p> $\frac{2}{x+1} + \frac{5}{2x+3}$	$\frac{2(2x+3) + 5(x+1)}{(x+1)(2x+3)}$ $\frac{4x+6 + 5x+5}{(x+1)(2x+3)}$ $\frac{9x+11}{(x+1)(2x+3)}$	
	<p>Calculate the volume of the cone.</p> $\frac{1}{3} \pi r^2 h$ $\frac{1}{3} \pi \times 4^2 \times 10$ $= \frac{160}{3} \pi \text{ cm}^3 \text{ or } 167.6 \text{ cm}^3$	
<p>Calculate the area of the major sector. The minor sector has angle 110 degrees.</p> $\frac{250}{360} \times \pi \times 7^2$ $= 106.9 \text{ cm}^2$	