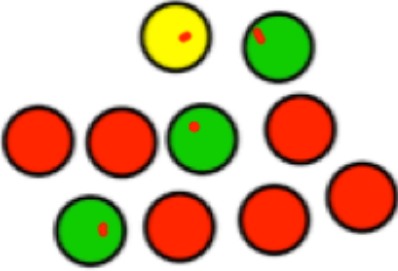
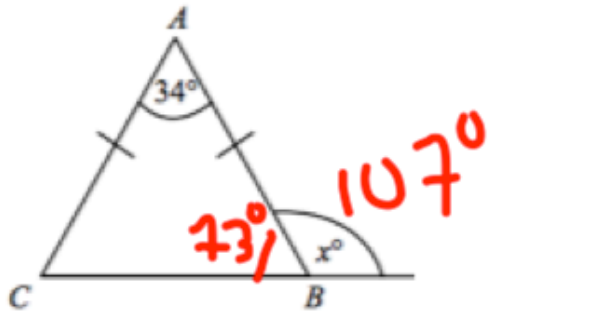
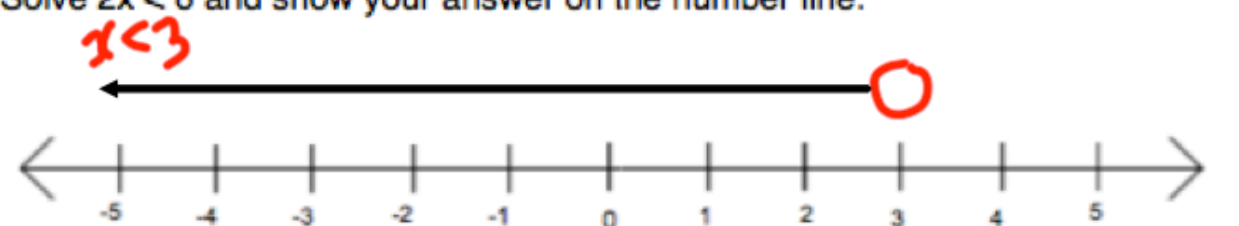
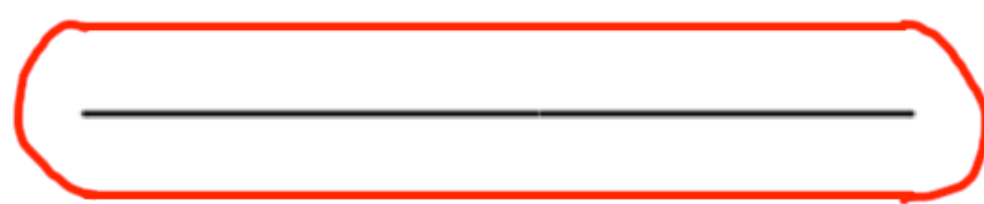
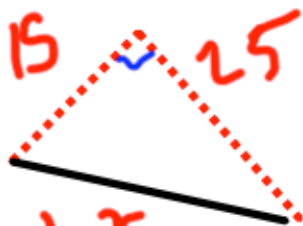


July 15th	5-a-day	Numeracy
<p>Write 4am in 24-hour time</p> <p>04:00</p>	<p>Write 4pm in 24-hour time</p> <p>16:00</p>	
<p>A cup costs £1.45</p> <p>What is the cost of four cups?</p>	<p>1.45 1.45 1.45 + 1.45 ----- 5.80</p> <p>£5.80</p>	
<p>$23 \times 101 =$</p> <p>23 x 101 ----- 23 + 2300 ----- 2323</p>	<p>2323</p>	
 <p>Janice left home at 14:55 and reached town at 15:27.</p> <p>How long did the journey last?</p>	<p>A counter is picked at random.</p> <p>What is the probability of a green or red?</p> <p>$\frac{9}{10}$</p> <p><u>32 minutes</u></p>	

July 15	5-a-day	Foundation
	<p>Find x</p> $180 - 34 = 146$ $146 \div 2 = 73$ $x = 73$	
<p>Simplify</p> $y^2 + y^2 + y^2$ <p style="text-align: right;">$3y^2$</p>		
<p>Solve $2x < 6$ and show your answer on the number line.</p> <p>$x < 3$</p> 		
<p>Draw the locus of all points 1cm from the line below</p> <p style="text-align: center;"><i>Accurate version of this:</i></p> 		

July 15	5-a-day	Higher
<p>Factorise</p> $4y^2 + 6y$ $2y(2y+3)$	<p>Factorise</p> $y^2 - 1$ $(y-1)(y+1)$	
<p>Work out the size of each interior angle for a regular octagon.</p> $360 \div 8 = 45^\circ$ $180 - 45 = \underline{\underline{135^\circ}}$	<p>Work out the size of each interior angle for a regular 20 sided polygon.</p> $360 \div 20 = 18^\circ$ $180 - 18 = \underline{\underline{162^\circ}}$	
<p>A helicopter flies 15 miles north-east and then 25 miles south-east. How far, in a straight line, is the helicopter from it's starting position?</p> $15^2 + 25^2 = x^2$ $850 = x^2 \quad x = 29.155 \text{ miles}^2$		
<p>Solve $x^2 - 8x - 10 = 0$ by using completing the square. (or quadratic formula if needed)</p> $(x-4)^2 - 16 - 10 = 0$ $(x-4)^2 = 26$	$x - 4 = \pm \sqrt{26}$ $x = 4 \pm \sqrt{26}$ $x = 9.099 \text{ or } x = -1.099$	
<p>Prove the product of two even numbers is even</p> $2n = \text{even}$ $2m = \text{even}$	$2n \times 2m = 4mn$ $4 \times \square = \underline{\underline{\text{even}}}$	