
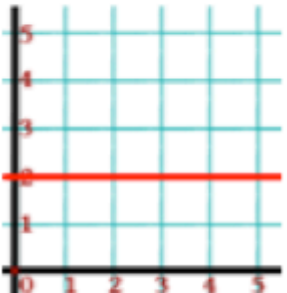
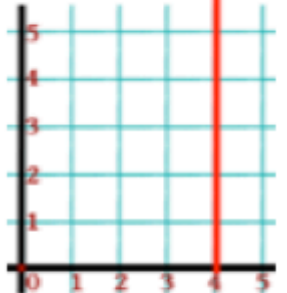
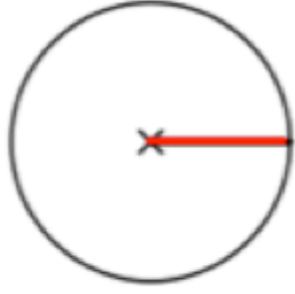

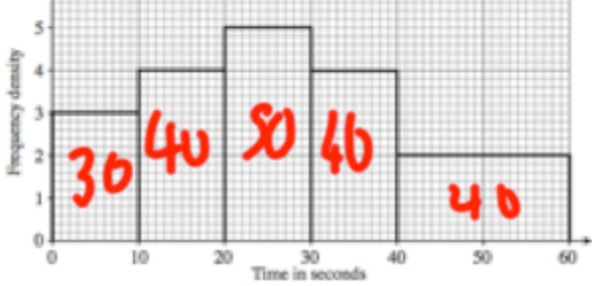


July 20th	5-a-day	Numeracy
<p>Complete each sentence by writing in the correct <b>metric</b> unit.</p> <p style="text-align: center;"><b>millilitres</b></p> <p>A spoon holds 15..... of liquid</p>	<p>The speed of a car is</p> <p>45 ..... <b>kilometres</b> .....per hour</p>	
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; text-align: center;">Starting number</div> <div style="text-align: center;">↓</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; text-align: center;">Halve it</div> <div style="text-align: center;">↓</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; text-align: center;">Halve it again</div> <div style="text-align: center;">↓</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Final answer</div>	<p>The starting number is 24. What is the final answer?</p> <p style="text-align: center;"><b>6</b></p>	
	<p>The starting number is 14. What is the final answer?</p> <p style="text-align: center;"><b>3.5</b></p>	
<p>9 1 2 8 3 8 4 1 5 6</p> <p>Calculate the median</p> <p style="text-align: center;"><del>1</del> <del>1</del> <del>2</del> <del>3</del> 4 5 <del>6</del> <del>8</del> <del>8</del> <del>9</del></p>	<p style="text-align: center;"><b>4.5</b></p>	
<div style="text-align: center;">  </div> <p>The perimeter of this parallelogram is 30cm</p> <p style="text-align: center;"><b>30 - 12 = 18</b></p>	<p>The length of each short side is 6cm. Calculate the length of each long side.</p> <p style="text-align: center;"><b>18 ÷ 2 = 9</b></p>	

July 20	5-a-day	Foundation
<p>What is the equation of this line?</p>  <p><math>y = 2</math></p>	<p>What is the equation of this line?</p>  <p><math>x = 4</math></p>	
<p>Find the nth term</p> <p>7, 11, 15, 19 ....</p> <p><math>4n + 3</math></p>	<p>Work out the 100th term</p> <p>403</p>	
	<p>What part of the circle is shown? (in red)</p> <p>radius</p>	
<p><math>4\frac{1}{3} - 3\frac{4}{9}</math></p>	<p><math>\frac{13}{3} - \frac{31}{9}</math></p> <p><math>\frac{39}{9} - \frac{31}{9} = \frac{8}{9}</math></p>	
<p>Explain why regular hexagons tessellate.</p> <p>Each angle is <math>120^\circ</math>, so 3 will fit together to make <math>360^\circ</math></p>		

July 20	5-a-day	Higher
<p>Solve <math>7x + 3 = 30 - 3x</math></p> <p><math>10x = 27</math></p> <p><math>x = 2.7</math></p>		
<p>Write <math>0.3434343434\dots</math> as a fraction</p> <p><math>x = 0.3434\dots</math></p> <p><math>100x = 34.3434\dots</math></p>	<p><math>99x = 34</math></p> <p><math>x = \frac{34}{99}</math></p>	
<p>A group of students complete a puzzle.</p> <p><math>F = FO \times CW</math></p> <p>Work out how many students took part?</p> <p>200</p>		
<p>A number is increased by 30% and then decreased by 25%. What is the overall percentage change?</p> <p><math>100 \times 1.3 = 130</math></p> <p><math>130 \times 0.75 = 97.5</math></p>		<p>2.5% <u>decrease</u></p>
<p>A plant is 30cm tall when planted in a garden. It grows by 10% a week.</p> <p>How long will it take to reach 1m tall?</p> <p><math>30 \times 1.1^{12} = 94.15\text{cm}</math></p> <p><math>30 \times 1.1^{13} = 103.568\text{cm}</math></p>		<p>13</p>