
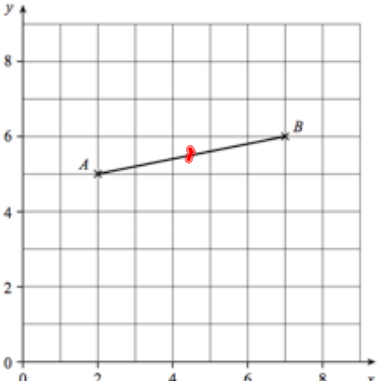
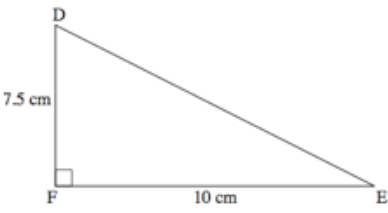


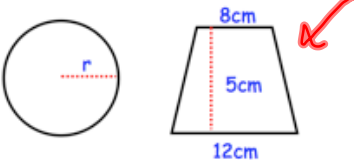
Name: _____

September 19th	5-a-day	Numeracy
	Shade 70% of this rectangle.	
<p style="text-align: center;">$\frac{3}{4}$ of 60 = $\frac{1}{2}$ of <i>45</i> <i>90</i></p>		
<p>40 20 10 <u>5</u> <u>2.5</u></p> <p>Find the next two terms in this sequence</p>	<p>1 4 9 16 <u>25</u> <u>36</u></p> <p>Find the next two terms in this sequence</p>	
	<p>Write down the coordinates of B</p> <p style="text-align: center;"><i>(7, 6)</i></p> <hr/> <p>C is the midpoint of AB.</p> <p>Write down the coordinates of C.</p> <p style="text-align: center;"><i>(4.5, 5.5)</i></p>	

Name: _____

September 19	5-a-day	Foundation																
Find the nth term 8 12 16 20 $4n+4$	Find the 100th term 404																	
A box has 600 sweets. $\frac{3}{4}$ are strawberry, the remainder are lemon. How many are lemon?	450 150 lemon																	
Complete this table for $y = 6x + 3$ <table border="1" style="margin: 10px auto;"> <tr> <td style="color: blue;">x</td> <td style="color: blue;">-3</td> <td style="color: blue;">-2</td> <td style="color: blue;">-1</td> <td style="color: blue;">0</td> <td style="color: blue;">1</td> <td style="color: blue;">2</td> <td style="color: blue;">3</td> </tr> <tr> <td style="color: blue;">y</td> <td style="color: red;">-15</td> <td style="color: red;">-9</td> <td style="color: red;">-3</td> <td style="color: red;">3</td> <td style="color: red;">9</td> <td style="color: red;">15</td> <td style="color: red;">21</td> </tr> </table>			x	-3	-2	-1	0	1	2	3	y	-15	-9	-3	3	9	15	21
x	-3	-2	-1	0	1	2	3											
y	-15	-9	-3	3	9	15	21											
Find x <table style="margin-left: 20px;"> <tr> <td style="color: blue;">Score</td> <td style="color: blue;">1</td> <td style="color: blue;">2</td> <td style="color: blue;">3</td> <td style="color: blue;">4</td> </tr> <tr> <td style="color: blue;">Probability</td> <td style="color: blue;">0.4</td> <td style="color: blue;">0.4</td> <td style="color: blue;">x</td> <td style="color: blue;">x</td> </tr> </table>	Score	1	2	3	4	Probability	0.4	0.4	x	x	$x = 0.1$							
Score	1	2	3	4														
Probability	0.4	0.4	x	x														
Calculate the length of DE 12.5 cm																		

Name: _____

September 19	5-a-day	Higher
<p>How long would it take someone to run 5km at 4 metres per second?</p> $5000m \div 4$ $= 1250 \text{ seconds}$		<p>20 mins 50 seconds</p>
<p>Calculate the gradient of the straight line passing through (0, 2) and (3, 11).</p>	<p>Write down the equation of the line.</p> $y = 3x + 2$	
<p>The trapezium and circle have the same area. Find r.</p> 	<p>50 cm²</p> $\pi r^2 = 50$ $r = 3.989 \text{ cm}$	
<p>Simplify $\sqrt{1000}$</p> $\sqrt{100} \times \sqrt{10}$ $10\sqrt{10}$	<p>Simplify $3\sqrt{2} \times 3\sqrt{14}$</p> $9\sqrt{28}$ $18\sqrt{7}$	
<p>A full water tank has sprung a leak. It loses 5% of its contents every minute.</p> <p>Work out how long until the tank loses 50% of its contents.</p>	100×0.95^n $n = 14 \text{ minutes}$	