
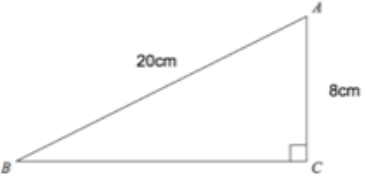


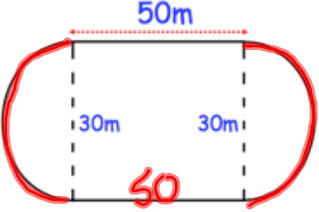
Name: _____

September 8th	5-a-day	Numeracy
 Convert 2 centimetres into millimetres 20mm	Convert 90 millimetres into centimetres 9cm	
Write down all the factors of 15 $1, 3, 5, 15$	Write down all the multiples of 6 between 20 and 40 $24, 30, 36$	
$\frac{5}{9}$ of 63 seconds	35 seconds	
A printer prints 6 pages per minute. How long will it take to print 300 pages?	50 minutes	
Find the value of $5y + 3w$ when $y = 2$ and $w = 3$ $10 + 9 = 19$	19	

Name: _____

September 8	5-a-day	Foundation																				
<p>Expand</p> $4y(3y + 5)$	$12y^2 + 20y$																					
<p>Calculate the mean</p> $6 \div 10 = 0.6$	<p>Goals Frequency f_x</p> <table border="1"> <tr> <td>0</td> <td>5</td> <td>0</td> </tr> <tr> <td>1</td> <td>4</td> <td>4</td> </tr> <tr> <td>2</td> <td>1</td> <td>2</td> </tr> <tr> <td></td> <td><u>10</u></td> <td></td> </tr> </table>		0	5	0	1	4	4	2	1	2		<u>10</u>									
0	5	0																				
1	4	4																				
2	1	2																				
	<u>10</u>																					
<p>Place Frequency</p> <table border="1"> <tr> <td>France</td> <td>8</td> <td>$\times 20$</td> <td>160°</td> </tr> <tr> <td>Spain</td> <td>2</td> <td>$\times 20$</td> <td>40°</td> </tr> <tr> <td>Italy</td> <td>5</td> <td>$\times 20$</td> <td>100°</td> </tr> <tr> <td>Germany</td> <td><u>3</u></td> <td>$\times 20$</td> <td>60°</td> </tr> <tr> <td></td> <td><u>18</u></td> <td></td> <td></td> </tr> </table>	France	8	$\times 20$	160°	Spain	2	$\times 20$	40°	Italy	5	$\times 20$	100°	Germany	<u>3</u>	$\times 20$	60°		<u>18</u>			<p>Find the size for each angle in a pie chart.</p> $360 \div 18 = 20$	
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<p>Find the length of BC</p> $20^2 - 8^2 = 336$ $\sqrt{336} = 18.33\text{cm}$																						
<p>Calculate the perimeter</p> 46.33cm	<p>Calculate the area</p> 73.32cm^2																					

Name: _____

September 8	5-a-day	Higher
<p>Find the Highest Common Factor (HCF) of 108 and 72.</p>	<p>36</p>	
<p>$(5 \times 10^4)^2$</p>	<p>$5 \times 10^4 \times 5 \times 10^4$ 25×10^8 2.5×10^9</p>	
	<p>Find the perimeter of the running track.</p> <p>$50 + 50 + \pi \times 30$</p> <p>194.248m</p>	
<p>A fair spinner has five sections of equal size, numbered 1 to 5. The spinner is spun twice and the scores are added together.</p> <p>Find the probability of a total score of 9.</p>	<p>4 or 5: $\frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$</p> <p>5 or 4: $\frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$</p> <p>$\frac{2}{25}$</p>	
<p>Prove the sum of three consecutive positive integers is always divisible by 3.</p>	<p>$n + (n+1) + (n+2) = 3n + 3$</p> <p>$3(n+1) \therefore \text{multiple of } 3$</p>	