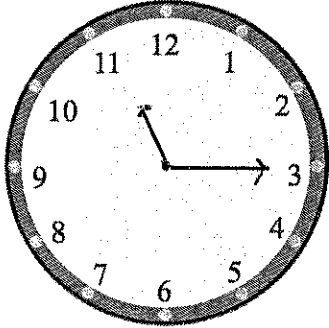
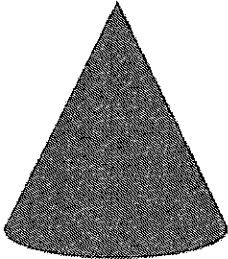
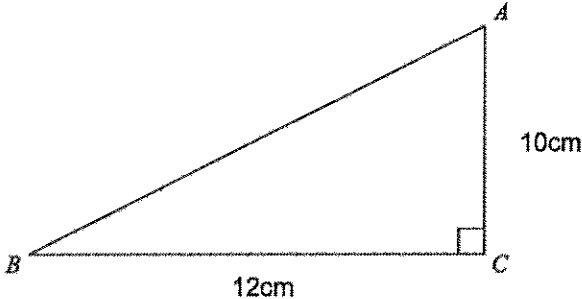


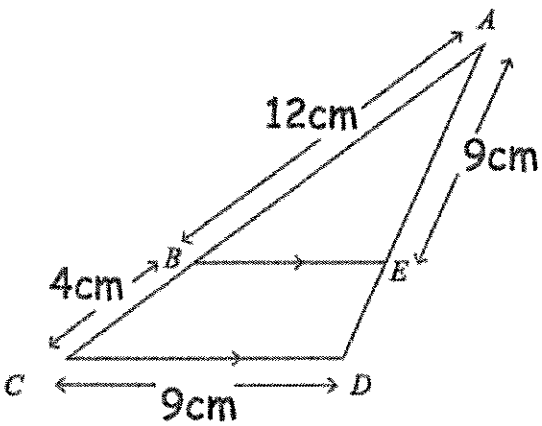
Name: _____

December 12th	5-a-day	Numeracy
		Show the time 11:15 on the clock.
		Name this solid <i>Cone</i>
David runs a half marathon. He started at 08:10 He ran for 135 minutes. What time did he finish?		<i>2 hours 15 minutes</i> <i>10:25</i>
Simplify $w \times w \times w$ <i>w^2</i>		Simplify $w + w + w$ <i>$3w$</i>
55 35 20 60 15 Work out the mean		<i>$55 + 35 + 20 + 60 + 15 = 185$</i> <i>$185 \div 5 = 37$</i>

Name: _____

December 12	5-a-day	Foundation																																				
$\frac{2}{3} + \frac{1}{7}$	$\frac{14}{21} + \frac{3}{21} = \frac{17}{21}$																																					
<p>Write $1\frac{1}{8}$ as a decimal</p>	<p>1.125</p>																																					
<p>Find the length of AB</p> $AB^2 = 10^2 + 12^2$ $AB^2 = 100 + 144$ $AB^2 = 244$ $AB = 15.62$																																						
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="padding: 5px;">0</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">9</td> </tr> <tr> <td style="padding: 5px;">1</td> <td style="padding: 5px;">0</td> <td style="padding: 5px;">0</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">7</td> <td colspan="6"></td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">2</td> <td colspan="10"></td> </tr> </table> <p>KEY 1 7 means 17</p>			0	1	1	1	2	2	3	4	4	5	6	9	1	0	0	2	3	7							2	2										
0	1	1	1	2	2	3	4	4	5	6	9																											
1	0	0	2	3	7																																	
2	2																																					
<p>Work out the median</p> <p style="text-align: center;">5</p>	<p>A value of 24 is added to the data.</p> <p>Explain how the median changes.</p> <p>The median will increase.</p>																																					

Name: _____

December 12	5-a-day	Higher
<p>Expand $y(6 - 2y^2)$</p> $6y - 2y^3$	<p>Factorise completely</p> $10xy + 6x^2$ $2x(5y + 3x)$	
<p>Factorise $x^2 - 14x + 48$</p> $(x - 6)(x - 8)$		
 <p>CD is parallel to BE.</p> $AB = 12 \quad 16 \div 12 = \frac{4}{3}$ $AC = 16$	<p>Find the length of DE.</p> $AO = 9 \times \frac{4}{3} = 12$ $12 - 9 = 3$ $DE = 3\text{cm}$	
	<p>Find the length of BE.</p> $9 \div \frac{4}{3} = 6.75\text{cm}$	
<p>Simplify</p> $\frac{x-3}{x^2-9}$ $\frac{(x-3)^1}{(x-3)(x+3)}$		$\frac{1}{x+3}$