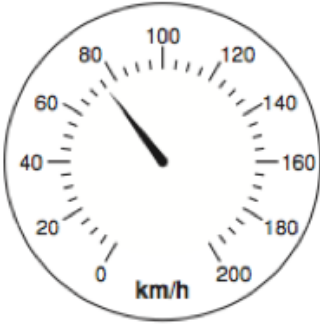
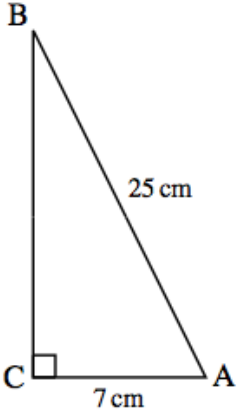



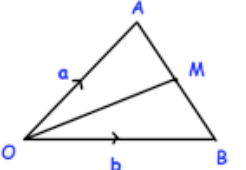
Name: _____

September 9th	5-a-day	Numeracy
30 sweets are shared between 5 children. How many will each child receive?		6
Round 4948 to the nearest 1000.	5000	
	What speed is shown on the speedometer? 75 km/h	
Simplify $4a + a$ 5a	Simplify $5a + 2c + 4a - c$ 9a + c	The speed limit is 90km/h. How much slower than the speed limit is the car travelling? 15 km/h

Name: _____

September 9	5-a-day	Foundation
Reduce £460 by 35%. $\pounds 299$		
Expand and simplify $5(3a + 2) + 6$ $15a + 10 + 6$ $15a + 16$	Solve $15 + 2w = 7w - 45$ $60 = 5w$ $w = 12$	
	Find the length of BC. $25^2 - 7^2 = 576$ $\sqrt{576} = 24\text{cm}$	
"Every time you subtract a square number from a larger square number the answer is always odd." Show this is incorrect.	$\begin{array}{r} 100 \\ - 64 \\ \hline 36 \end{array}$ even \therefore false	Calculate the area of the triangle. $\frac{1}{2}(7 \times 24)$ $= 84\text{cm}^2$

Name: _____

September 9	5-a-day	Higher																				
<p>What is the sum of the interior angles for an octagon?</p> <p style="text-align: center;">1080°</p>	<p>What is the size of each interior angle for a regular octagon?</p> <p style="text-align: center;">135°</p>																					
<table border="0"> <tr> <td>Age</td> <td>Frequency</td> <td>mp</td> <td>f\times</td> </tr> <tr> <td>$0 < A \leq 10$</td> <td>5</td> <td>5</td> <td>25</td> </tr> <tr> <td>$10 < A \leq 20$</td> <td>9</td> <td>15</td> <td>135</td> </tr> <tr> <td>$20 < A \leq 40$</td> <td>6</td> <td>30</td> <td>180</td> </tr> <tr> <td></td> <td><u>20</u></td> <td></td> <td><u>340</u></td> </tr> </table>	Age	Frequency	mp	f \times	$0 < A \leq 10$	5	5	25	$10 < A \leq 20$	9	15	135	$20 < A \leq 40$	6	30	180		<u>20</u>		<u>340</u>	<p>Calculate an estimate of the mean.</p> <p style="text-align: center;">$340 \div 20 = 17$</p>	
Age	Frequency	mp	f \times																			
$0 < A \leq 10$	5	5	25																			
$10 < A \leq 20$	9	15	135																			
$20 < A \leq 40$	6	30	180																			
	<u>20</u>		<u>340</u>																			
 <p>Shown is one angle from a regular polygon.</p>	<p>How many sides does it have?</p> <p style="text-align: center;">$360 \div 12 = 30$</p>																					
 <p>M is the midpoint of AB</p>	<p>Find the vector</p> <p>\vec{AB}</p> <p style="text-align: center;">$-\underline{a} + \underline{b}$</p>																					
<p>Line 1 has gradient 4 and passes through the point (3, 10).</p> <p>What is its equation?</p> <p style="text-align: center;">$y = 4x - 2$</p>	<p>Write down the equation of a line perpendicular to line 1.</p> <p style="text-align: center;">$y = -\frac{1}{4}x + 10$ $y = -\frac{1}{4}x$ etc</p>																					