


Name: \_\_\_\_\_

November 10th	5-a-day	Numeracy																											
<p>Jennifer is paid £7 an hour. Kate is paid £8 an hour.</p> <p>On a Saturday, Jennifer works 7 hours and Kate works 6 hours.</p> <p>Who earns more?</p>	<p>Jennifer £49 Kate £48</p> <p>Jennifer</p>																												
<p>List the first five multiples of 8.</p> <p>8 16 24 32 40</p>																													
<table border="1"> <tr><td>Lisburn</td><td>0613</td><td>✓</td></tr> <tr><td>Hilden</td><td>0616</td><td></td></tr> <tr><td>Lambeg</td><td>0617</td><td></td></tr> <tr><td>Derriaghy</td><td>0620</td><td></td></tr> <tr><td>Dunmurry</td><td>0623</td><td></td></tr> <tr><td>Finaghy</td><td>0626</td><td></td></tr> <tr><td>Balmoral</td><td>0629</td><td>✓</td></tr> <tr><td>Adelaide</td><td>0631</td><td></td></tr> <tr><td>Great Victoria Street</td><td>0635</td><td></td></tr> </table>	Lisburn	0613	✓	Hilden	0616		Lambeg	0617		Derriaghy	0620		Dunmurry	0623		Finaghy	0626		Balmoral	0629	✓	Adelaide	0631		Great Victoria Street	0635		<p>How long is the train journey from Lisburn to Balmoral?</p> <p>16 minutes</p>	
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<table> <thead> <tr> <th></th> <th>Wins</th> <th>Draws</th> <th>Losses</th> <th></th> </tr> </thead> <tbody> <tr> <td>Sunderland City</td> <td>1</td> <td>5</td> <td>3</td> <td>8</td> </tr> <tr> <td>Manchester Rovers</td> <td>2</td> <td>1</td> <td>6</td> <td>7</td> </tr> <tr> <td>Liverpool United</td> <td>3</td> <td>0</td> <td>6</td> <td>9</td> </tr> <tr> <td>London Town</td> <td>0</td> <td>9</td> <td>0</td> <td>9</td> </tr> </tbody> </table> <p>Win = 3 points    Draw = 1 point Loss = 0 points</p>		Wins	Draws	Losses		Sunderland City	1	5	3	8	Manchester Rovers	2	1	6	7	Liverpool United	3	0	6	9	London Town	0	9	0	9	<p>Which teams have the greatest number of points?</p> <p>Liverpool United &amp; London Town</p> <p>How many points do they have?</p> <p>9</p>			
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<p>Draw a shape with 4 lines of symmetry</p>  <p>square</p>																													

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November 10

5-a-day

Foundation

# Solve $5y - 4 = 21$

$$5y = 25$$

$$y = 5$$

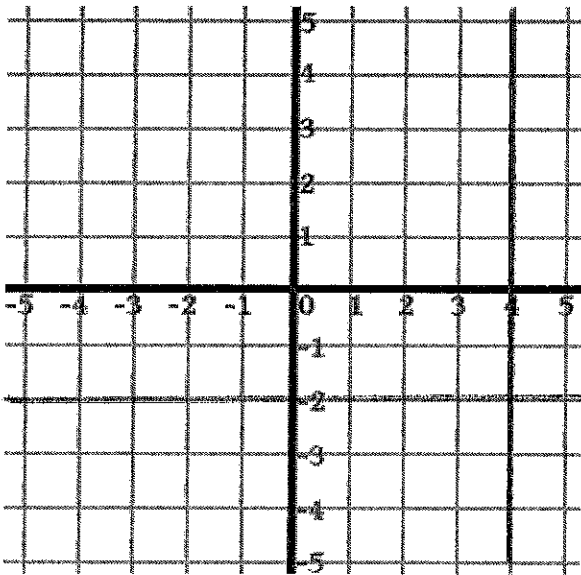
Make  $w$  the subject of

$$y = 3w + a$$

$$y - a = 3w$$

$$\frac{y - a}{3} = w$$

$$x = 4$$



Draw  $x = 4$

Draw  $y = -2$

Complete the table and draw the line  $x + y = 1$

$x$	-2	-1	0	1	2
$y$	3	2	1	0	-1

Calculate the length of  $AB$

$$a^2 + b^2 = c^2$$

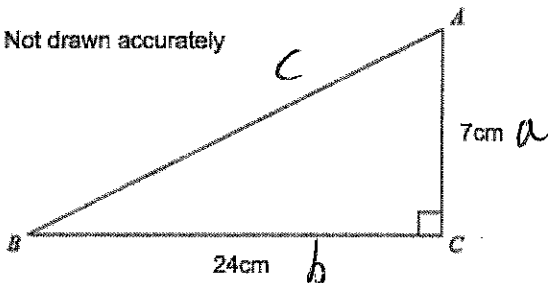
$$7^2 + 24^2 = c^2$$

$$49 + 576 = c^2$$

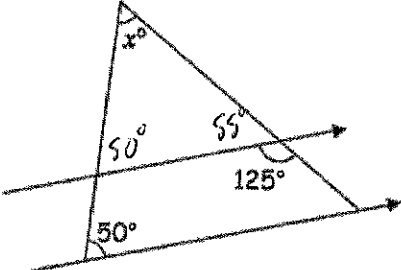
$$625 = c^2$$

$$c = 25 \text{ cm}$$

Not drawn accurately



Name: \_\_\_\_\_

November 10	5-a-day	Higher
$1\frac{4}{5} \div 2\frac{3}{4}$	$\frac{9}{5} \div \frac{11}{4}$ $\frac{9}{5} \times \frac{4}{11} = \frac{36}{55}$	
	<p>Find x</p> $75^\circ$	
<p>Find the coordinates where the line <math>y = 8x - 15</math> and the curve <math>y = x^2</math> meet.</p> $x^2 = 8x - 15$ $x^2 - 8x + 15 = 0$ $(x-3)(x-5) = 0$ $x = 3 \text{ or } x = 5$	$y = 9 \text{ or } y = 25$ $(3, 9) \text{ and } (5, 25)$	
<p>Write 1008 as a product of prime factors.</p> <p>Express your answer in index form.</p>	$2^4 \times 3^2 \times 7$	
<p>Hence find the <b>least</b> number by which 1008 would need to be multiplied by to give a square number.</p>	$7$	