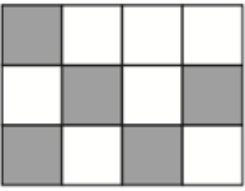
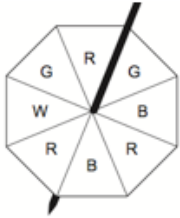
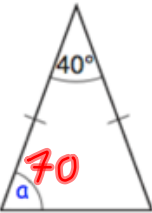
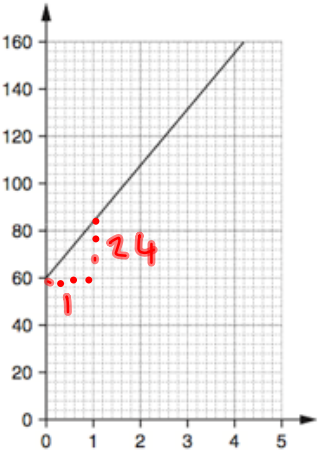


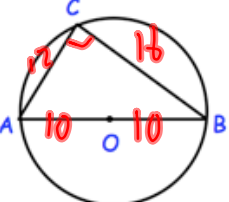
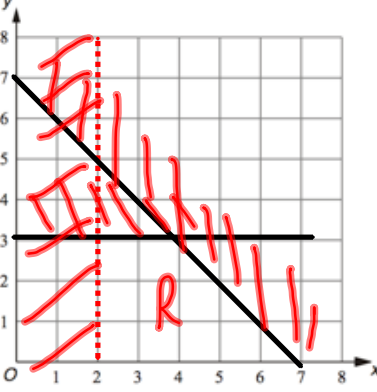
Name: \_\_\_\_\_

November 4th	5-a-day	Numeracy
What fraction of the shape is shaded? $\frac{5}{12}$		
$4^2 + 2^3$ $16 + 8 = 24$	$\sqrt{49}$ $7$	
Calculate the perimeter of a rectangle that has length 13cm and width 4cm. $13 + 4 + 13 + 4 = 34\text{cm}$		
 $\frac{2}{8} = \frac{1}{4}$	A spinner is spun. What is the probability the spinner lands on B? Give your answer in its simplest form.	
Write the following in order, from lightest to heaviest. $0.4\text{kg}$ $500\text{g}$ 3kg 400g 0.5 tonnes 0.2kg	$0.2\text{kg}, 400\text{g}, 3\text{kg},$ $0.5\text{tonnes}.$	

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

November 4	5-a-day	Foundation
<p>Simplify</p> <p><math>4w \times 2w</math></p> <p><math>8w^2</math></p>	<p>Simplify</p> <p><math>2a \times 3c \times a</math></p> <p><math>6a^2c</math></p>	
 <p><math>180</math> <math>- 40</math> <hr/><math>140</math></p>	<p>Find a</p> <p><math>70^\circ</math></p>	
<p>Factorise</p> <p><math>8a + 10ac</math></p> <p><math>2a(4+5c)</math></p>	<p>Multiply out</p> <p><math>7(3w - 9)</math></p> <p><math>21w - 63</math></p>	
<p>Write down the y-intercept.</p> <p><math>60</math></p>		
<p>Write down the equation of the line</p> <p><math>y = 24x + 60</math></p>		

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

November 4	5-a-day	Higher
<p>What is the sum of the interior angles for a regular 20-sided polygon?</p> $(20-2) \times 180 = 3240^\circ$	<p>What is the size of each interior angle for a regular 20-sided polygon?</p> $3240 \div 20 = 162^\circ$	
 <p><math>\pi \times 10^2 = 314.159 \text{ cm}^2</math></p>	<p>BC is 16cm. AC is 12cm.</p> <p>Find the area of the circle. <math>AB=20</math></p> $12^2 + 16^2 = AB^2$ $AB^2 = 400$ $AB = 20$	
<p>A region R satisfies the inequalities</p> $x + y \leq 7$ $x > 2$ $y \leq 3$ <p>Show this region on the grid.</p>		
<p>Sophie rolls an ordinary 6 sided dice three times.</p> <p>What is the probability she gets exactly one 6?</p>	$P(6, N, N) = \frac{1}{6} \times \frac{5}{6} \times \frac{5}{6} = \frac{25}{216}$ $P(N, 6, N) = \frac{5}{6} \times \frac{1}{6} \times \frac{5}{6} = \frac{25}{216}$ $P(N, N, 6) = \frac{5}{6} \times \frac{5}{6} \times \frac{1}{6} = \frac{25}{216}$	$\frac{75}{216} = \frac{25}{72}$