
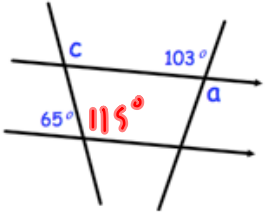
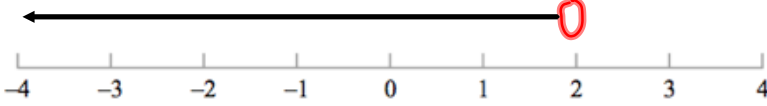
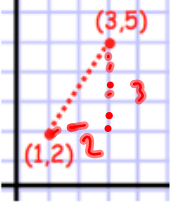
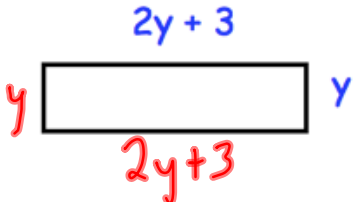


Name: \_\_\_\_\_

October 29th	5-a-day	Numeracy
	<p>What is the most popular method for students to travel to school?</p> <p style="text-align: center; color: red;">bus</p>	<p>What is the most popular method for students to travel to school?</p>
	<p>What fraction of students walk to school?</p> <p style="text-align: center; color: red;"><math>\frac{1}{4}</math></p>	<p>What fraction of students walk to school?</p>
<p>44 cars are parked in a car park at 1pm.</p> <p>By 3pm, another 61 cars have entered the car park and 48 have left.</p>	<p>How many cars are in the car park at 3pm?</p> $\begin{array}{r} 44 \\ + 61 \\ \hline 105 \end{array}$ $\begin{array}{r} 105 \\ - 48 \\ \hline 57 \end{array}$	<p>How many cars are in the car park at 3pm?</p>
<p>9815 + 4824</p> $\begin{array}{r} 9815 \\ + 4824 \\ \hline 14639 \end{array}$	<p>394 x 3</p> $\begin{array}{r} 394 \\ \times 3 \\ \hline 1182 \end{array}$	<p>394 x 3</p>
<p>Guy has some coins</p> <p>2p 5p 10p 20p 50p £1 £2</p> <p>He gives two coins to Andrew.</p> <p>One coin is 20% of the other.</p>	<p>List all the possible pairs of coins Guy could give Andrew.</p> <p>21 and 20p 50p and 10p 10p and 2p</p>	<p>List all the possible pairs of coins Guy could give Andrew.</p>

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

October 29	5-a-day	Foundation
<p>Given <math>180 = 2^2 \times 3^2 \times 5</math></p> <p>What is 360 as a product of primes?</p> <p><math>2^3 \times 3^2 \times 5</math></p>	<p>What is 1800 as a product of primes?</p> <p><math>2^3 \times 3^2 \times 5^2</math></p>	
	<p>Size of a?</p> <p><math>103^\circ</math></p> <p>Size of c?</p> <p><math>115^\circ</math></p>	
 <p>Draw a line to represent <math>x &lt; 2</math></p>		
	<p>What is the gradient of the line joining the points (1, 2) and (3, 5)?</p> <p><math>\frac{3}{2} = 1.5</math></p>	
 <p><math>2y + 3</math></p>	<p>The perimeter of the rectangle is 78cm. Find the size of y.</p> <p><math>6y + 6 = 78</math>  <math>6y = 72</math>  <math>y = 12</math></p>	

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

October 29	5-a-day	Higher
<p>Solve the simultaneous equations</p> $3x - 5y = 5$ $5x - 3y = 15$ <p> <math>\begin{matrix} \textcircled{1} \times 3 \\ \textcircled{2} \times 5 \end{matrix}</math>  <math>9x - 15y = 15</math>  <math>25x - 15y = 75</math> </p>	<p> <math>25x - 15y = 75</math>  <math>\text{sub } 9x - 15y = 15</math>  <hr/> <math>16x = 60</math>  <math>x = 3.75</math>  <math>\text{sub into } \textcircled{1}</math>  <math>11.25 - 5y = 5</math>  <math>-5y = -6.25</math>  <math>y = 1.25</math> </p>	
<p>check in <math>\textcircled{2}</math></p> $18.75 - 3.75 = 15 \checkmark$ $x = 3.75$ $y = 1.25$		
<p>There are 10 socks in a bag. 6 black and 4 white. A sock is taken at random, put back into the bag, then another is taken.</p> <p>Complete the tree diagram</p>	<p>What is the probability of two black socks?</p> $0.6 \times 0.6 = 0.36$ $\text{or}$ $\frac{6}{10} \times \frac{6}{10} = \frac{36}{100} = \frac{9}{25}$	
	<p>What is the probability of two socks of the same colour?</p> $0.4 \times 0.4 = 0.16$ $0.16 + 0.36 = 0.52$ $\text{or } \frac{4}{10} \times \frac{4}{10} = \frac{16}{100}$ $\frac{16}{100} + \frac{36}{100} = \frac{52}{100} = \frac{13}{25}$	
<p> <math>4 \tan(50) \times 5 = 5.9588</math>  <math>5 \div \cos(50) = 7.7786</math> </p>	<p>Calculate the perimeter of the triangle.</p> $\begin{matrix} 5 \\ + 5.9588 \\ + 7.7786 \\ \hline 18.7374 \end{matrix}$	