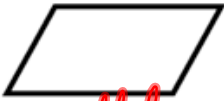

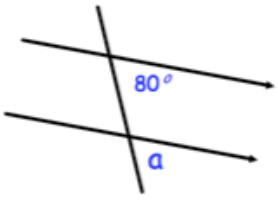


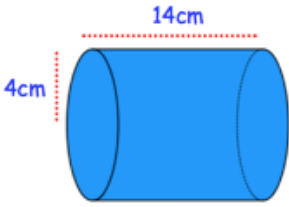
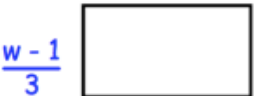
Name: \_\_\_\_\_

September 3rd	5-a-day	Numeracy
<p>Name this shape</p>  <p>Parallelogram.</p>	<p>Name this shape</p>  <p>pentagon</p>	
<p>Matthew has six coins that each has the same value.</p> <p>In total he has £1.20.</p> <p>What coins does he have?</p>	<p>six 20p's</p>	
<p>Work out <math>5.4 + 3.7</math></p> <p>9.1</p>		
<p>Work out the next two terms</p> <p>12 15 18 _ _</p> <p>21, 24</p>		
<p>3 bananas cost 63p</p> <p>How much will 5 bananas cost?</p>	<p>21p each</p> <p>£1.05</p>	

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

September 3	5-a-day	Foundation
	Size of a? $80^\circ$ Reason? <i>corresponding angles</i>	
a and b are prime numbers.  Find the values of a and b when $a^3 \times b = 24$	$\begin{array}{c} 24 \\ / \quad \backslash \\ (2) \quad 12 \\ \quad / \quad \backslash \\ \quad (2) \quad 6 \\ \quad \quad / \quad \backslash \\ \quad \quad (3) \quad (2) \end{array}$ $k=2$ $b=3$	
Expand  $7(y + 3)$  $7y + 21$	Expand  $-3(x + 5)$  $-3x - 15$	
Green paint is mixed from blue and yellow paint in the ratio 1:2. How much of each colour is needed for 39 litres of paint?	$1+2=3$ $39 \div 3 = 13$  $13 \text{ litres of blue}$ $26 \text{ litres of yellow}$	
$3\frac{2}{3} \div 2\frac{1}{2}$ $\frac{11}{3} \div \frac{5}{2}$	$\frac{11}{3} \times \frac{2}{5} = \frac{22}{15}$ $1\frac{7}{15}$	

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

September 3	5-a-day	Higher
<p>The probability of someone having brown eyes is 0.5 and the probability of someone having green eyes is 0.14.</p> <p>What is the probability that someone at random has either brown or green eyes?</p> <p style="color: red; font-size: 1.2em;">0.64</p>	<p>150 people are chosen at random. Work out an estimate for the number of people who will have green eyes.</p> <p style="color: red; font-size: 1.2em;"><math>150 \times 0.14 = 21</math></p>	
 <p style="color: blue; font-size: 0.8em;">14cm</p> <p style="color: blue; font-size: 0.8em;">4cm</p>	<p>Calculate the surface area</p> <p style="color: red; font-size: 1.2em;"><math>2\pi r^2 + \pi rh</math>  <math>2\pi \times 4^2 + (\pi \times 8 \times 14)</math>  <math>= 452.39 \text{ cm}^2</math></p>	
<p style="color: blue; font-size: 0.8em;"><math>\frac{w+3}{2}</math></p>  <p style="color: blue; font-size: 0.8em;"><math>\frac{w-1}{3}</math></p> <p>Find an expression for the area.</p>	<p style="color: red; font-size: 1.2em;"><math>\frac{w+3}{2} \times \frac{w-1}{3}</math>  <math>= \frac{w^2 + 2w - 3}{6}</math></p>	
<p>Line 1: <math>y = 3x + 1</math> <span style="color: red; font-size: 0.8em;">m=3</span>            Line 2: <math>y = 2x - 3</math> <span style="color: red; font-size: 0.8em;">m=2</span>            Line 3: <math>3y + x = 6</math>            Line 4: <math>y = \frac{1}{3}x - 1</math> <span style="color: red; font-size: 0.8em;">m=1/3</span></p> <p style="color: red; font-size: 1.2em;"><math>3y = -x + 6</math>  <math>y = -\frac{1}{3}x + 2</math></p>	<p>Which lines are perpendicular?</p> <p style="color: red; font-size: 1.2em;">Lines 1 &amp; 3</p>	
<p><math>w^0</math>   <math>w^3</math>   <math>\frac{w^3}{w^4}</math>   <math>w^{-2}</math></p> <p style="color: red; font-size: 0.8em;">1   <math>w^{-1}</math></p> <p>W is greater than 1.</p> <p>Write in ascending order.</p>	<p style="color: red; font-size: 1.2em;"><math>w^{-2}, \frac{w^3}{w^4}, w^{-1}, w^0, w^3</math></p>	