
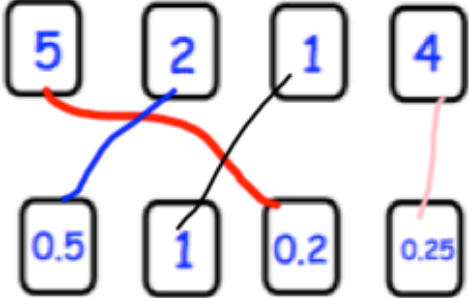
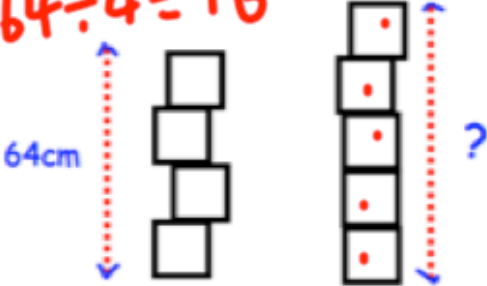


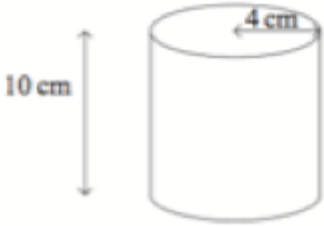

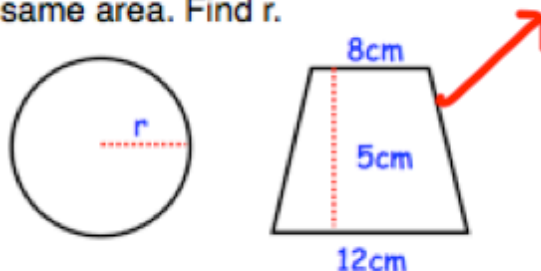


January 9th	5-a-day	Numeracy
 <p>An ice cream cost 72p</p> <p>David pays with a £1 coin</p>	<p>List the coins he may receive in his change?</p> <p>$£1 - 72p = 28p$</p> <p>20p, 5p, 2p, 1p etc or 10p, 10p, 2p, 2p, 2p, 2p</p>	
 <p>Diagram showing numbers in boxes: 5, 2, 1, 4 (top row) and 0.5, 1, 0.2, 0.25 (bottom row). Lines connect 5 to 0.2, 2 to 0.5, 1 to 1, and 4 to 0.25.</p>	<p>Match up the numbers that multiply to give an answer of 1</p>	
<p>$64 \div 4 = 16$</p>  <p>Diagram showing two stacks of four blocks. The left stack is labeled 64cm. The right stack is labeled with a question mark.</p>	<p>$64 + 16 = 80 \text{ cm}$</p>	
 <p>Scale from 0 ml to 100 ml with a red arrow pointing to 75 ml.</p>	<p>What measurement is shown on the scale?</p> <p>75ml</p>	
<p>Mary has 7 blue socks and 3 red socks.</p> <p>If she selects one sock at random, what is the probability she selects a red sock?</p>	 <p>$\frac{3}{10}$</p>	

January 9th	5-a-day	Foundation
<p>Calculate the nth term</p> <p>6, 11, 16, 21, 26</p> <p>5 10 15 20 25 $5n$</p> <p>$5n+1$</p>	<p>Using the nth term, calculate the 100th term in the sequence</p> <p>$5 \times 100 + 1$</p> <p>501</p>	
<p>Tomato soup - serves 4 people</p> <p>600g tomatoes 20g basil 4 tablespoons of olive oil 1 garlic clove</p>	<p>$\times 3$</p> <p>1800g or 1.8kg 60g 12 tablespoons 3 garlic cloves.</p>	<p>How much is needed for 12 people?</p>
<p>Sam wants to find out how much pocket money his friends receive.</p> <p>He asks this question:</p> <p>How much pocket money do you receive each week?</p>	<p>Write down suitable response boxes.</p> <p>£0 - £2 <input type="checkbox"/></p> <p>£2.01 - £4 <input type="checkbox"/></p> <p>£4.01 - £6 <input type="checkbox"/></p> <p>£6.01 + <input type="checkbox"/></p>	
<p>$4\frac{1}{2} + 2\frac{2}{3}$</p>	<p>$\frac{9}{2} + \frac{8}{3}$</p> <p>$\frac{27}{6} + \frac{16}{6} = \frac{43}{6} = 7\frac{1}{6}$</p>	
<p>Calculate the volume of this cylinder</p> 	<p>$\pi \times 4^2 \times 10$</p> <p>$= 502.65 \text{ cm}^3$</p>	

January 9	5-a-day	Higher
<p>What is the sum of the interior angles for an octagon?</p> $(8-2) \times 180 = 1080^\circ$	<p>What is the size of each interior angle for a regular octagon?</p> $1080 \div 8 = 135^\circ$	
<p>Calculate the gradient of the straight line passing through (0, 2) and (3, 11).</p>  $m = \frac{9}{3} = 3$	<p>Write down the equation of the line.</p> $y = 3x + 2$	
<p>The trapezium and circle have the same area. Find r.</p> 	$\frac{1}{2}(8+12) \times 5 = 50 \text{ cm}^2$ $\pi r^2 = 50$ $r^2 = 15.91549431$ $r = 3.9894 \text{ cm}$	
<p>Simplify $\sqrt{1000}$</p> $\sqrt{100} \times \sqrt{10}$ $10\sqrt{10}$	<p>Simplify $3\sqrt{2} \times 3\sqrt{14}$</p> $9\sqrt{28}$ $18\sqrt{7}$	$\sqrt{28}$ $\sqrt{4} \times \sqrt{7}$ $2\sqrt{7}$
<p>Line 1 has gradient 4 and passes through the point (3, 10). What is its equation?</p> $y = 4x + c$ $10 = 12 + c \quad c = -2$ $y = 4x - 2$	<p>Write down the equation of a line perpendicular to line 1.</p> $y = -\frac{1}{4}x + 10$ $y = -\frac{1}{4}x + 5 \text{ etc}$	