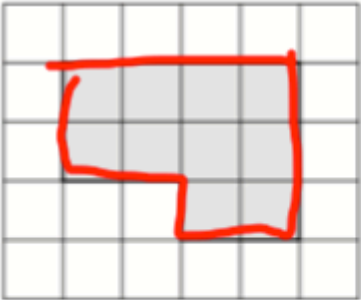
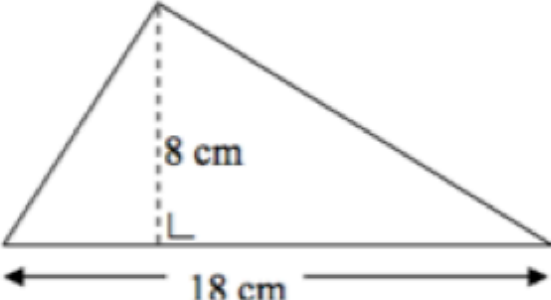
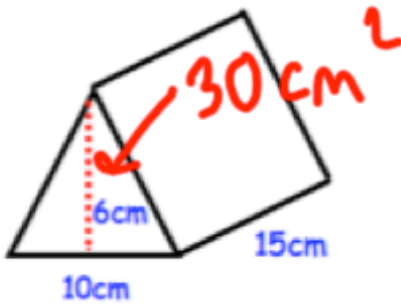
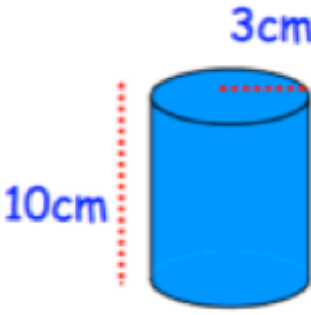


July 18th	5-a-day	Numeracy
$75 - 52 =$ $\begin{array}{r} 75 \\ -52 \\ \hline 23 \end{array}$	$75 + 52 =$ $\begin{array}{r} 75 \\ +52 \\ \hline 127 \end{array}$	
	<p>This is a centimetre grid.</p> <p>What is the perimeter of the shape?</p> <p>14cm</p>	
$\sqrt{49}$ 7	4^3 64	
<p>Lunch cost £6.80</p> <p>Tim pays with a £10 note.</p> <p>How much change should he get?</p>	$\begin{array}{r} 10.00 \\ -6.80 \\ \hline 3.20 \end{array}$	
	<p>Calculate the area</p> $\frac{1}{2}(18) \times 8$ $9 \times 8 = 72 \text{ cm}^2$	

July 18	5-a-day	Foundation
<p>The nth term of a sequence is</p> $4n + 3$ <p>Work out the first 5 terms</p>	$7 \quad 11 \quad 15 \quad 19 \quad 23$	
<p>4kg of tomatoes is £4.80</p> <p>How much does 3kg cost?</p> $1\text{kg} = \pounds 1.20$	$3\text{kg} = \pounds 3.60$	
$\frac{5}{6} - \frac{1}{2}$	$\frac{5}{6} - \frac{3}{6} = \frac{2}{6} = \frac{1}{3}$	
 <p>Calculate the volume</p> $\pi \times 3^2 \times 10$ 282.74cm^2 <p>or $90\pi\text{cm}^2$</p>	<p>Calculate the volume</p> $30 \times 15 = 450\text{cm}^3$ 	

July 18	5-a-day	Higher
<p>Solve $2x - 9 < 4$</p> $2x < 13$ $x < 6.5$	<p>If x is a positive integer, write down all the values of x which satisfies $2x - 9 < 4$.</p> <p>1 2 3 4 5 6</p>	
<p>In a sale, all holidays are reduced by 15%. If a holiday in the sale costs £697, what was the normal price of the holiday?</p> $697 \div 0.85$	<p>£820</p>	
<p>Simplify fully</p> $\frac{w}{w+3} - \frac{5}{w(w+3)}$ $\frac{w^2}{w(w+3)} - \frac{5}{w(w+3)}$	$\frac{w^2 - 5}{w(w+3)}$	
<p>The cost of a trip is directly proportional to the square root of the distance.</p> $C \propto \sqrt{d}$ <p>The cost is £600 when the distance is 900 miles.</p> $C = 20\sqrt{d}$	<p>Find a formula connecting the cost, C, and the distance, d.</p> $C = k\sqrt{d}$ $600 = k \times \sqrt{900}$ $600 = k \times 30 \quad k = 20$	
<p>Find the cost of a 400 mile trip.</p> $C = 20 \times \sqrt{400}$ $C = 20 \times 20$	$C = £400$	