


6th December	
<p>Mr and Mrs Jones have two children. The range of their ages is 8 years.</p> <p>What could the ages of the children be?</p>	 Corbettmaths $\begin{array}{ll} 1 & 2 & 9 \\ 2 & 2 & 10 \\ 3 & 2 & 11 \\ 4 & 2 & 12 \\ 5 & 2 & 13 \end{array} \quad \begin{array}{ll} 6 & 2 & 14 \\ 7 & 2 & 15 \\ 8 & 2 & 16 \\ 9 & 2 & 17 \end{array}$
<p>A blue light flashes every 6 seconds.</p> <p>A green light flashes every 4 seconds.</p> <p>After how many seconds will they both flash at the same time?</p>	$\begin{array}{ll} 6 & 12 \\ 4 & 8 & 12 \end{array}$ <p style="text-align: center;"><u>12</u> seconds</p>
<p>Round 45.5247 to 2 decimal places</p>	45.52
<p>A car travels 105 miles in 150 minutes.</p> <p>Calculate the speed of the car.</p>	$t = 2.5 \text{ hours}$ $d = 105$ $s = \frac{d}{t} = \frac{105}{2.5} = 42 \text{ mph}$
<p>The probability of a student at Mayfield High being left handed is 0.12.</p> <p>78 pupils at Mayfield High are left handed.</p>	<p>How many pupils attend Mayfield High?</p> <p><u>Method 1</u></p> $78 \div 0.12 = 650$ <p><u>Method 2</u></p> $\begin{array}{l} 12\% = 78 \\ 1\% = 6.5 \\ 100\% = 650 \end{array}$