

14th March	
<p>Simplify</p> <p><math>S + S + S + S</math></p> <p style="text-align: right;">4S</p>	<p>Simplify</p> <p><math>S \times S \times S \times S</math></p> <p style="text-align: right;"><math>5^4</math></p>
<p>List all the factors of 12</p> <p>(1) (2) (3) 4 (6) 12</p> <p>List all the factors of 42</p> <p>(1) (2) (3) (6) 7 14 21 42</p>	<p>What is the highest common factor of 12 and 42?</p> <p style="text-align: center;">6</p>
<p>Alex and Thomas share 30 sweets. They divide them in the ratio 3:2.</p> <p>How many sweets does Thomas have?</p> <p><math>3 + 2 = 5</math></p> <p><math>30 \div 5 = 6</math></p>	<p style="text-align: center;"><math>6 \times 2 = 12</math></p>
<p>Four numbers have a mean of 10.</p> <p>The first three numbers are 9, 8 and 13.</p> <p>What is the fourth number?</p>	<p style="text-align: center;"><math>4 \times 10 = 40</math></p> <p style="text-align: center;"><math>40 - 9 - 8 - 13 =</math></p> <p style="text-align: center;">10</p>
<p>A circle has radius 8cm. Calculate the area of the circle.</p> <p><math>\pi \times r^2</math></p> <p><math>\pi \times 8^2 = 64\pi</math></p> <p style="text-align: right;"><math>= 201.06 \text{ cm}^2</math></p>	<p>Calculate the circumference of the circle.</p> <p><math>\pi \times d</math></p> <p><math>\pi \times 16</math></p> <p><math>= 16\pi</math></p> <p style="text-align: right;"><math>= 50.3 \text{ cm}</math></p>