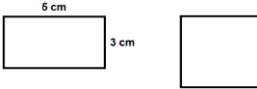
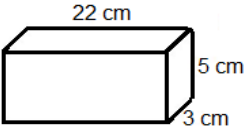



A LITTLE BIT OF MATHS EVERY DAY ... (CROSSOVER)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<p style="text-align: center;">1</p> <p>Four of the interior angles of a seven-sided polygon are 111°, 150°, 160° and 170°. The other three interior angles of this polygon are equal. Calculate the size of each of the other three interior angles.</p>	<p style="text-align: center;">2</p> <p>Expand $3x^4y^2(2x^2 + 4xy)$</p>	<p style="text-align: center;">3</p> <p>List the first seven prime numbers.</p>	<p style="text-align: center;">4</p> <p>I am thinking of a number between 1 and 20. It is not an even number but it is a multiple of 3 and it is also a square number. What is the number?</p>	<p style="text-align: center;">5</p> <p>The perimeter of the rectangle is the same as the perimeter of the square. Work out the length of one side of the square.</p> <div style="text-align: right;">  </div>		
<p style="text-align: center;">8</p> <p>5 15 7 16 15 2 29 From the above list, find: - the median - the mean</p>	<p style="text-align: center;">9</p> <p>A square has an area of $4m^2$. What is the area in cm^2?</p>	<p style="text-align: center;">10</p> <p>Write down the first 4 terms of the sequence $2n^3 + 3$</p>	<p style="text-align: center;">11</p> <p>Solve $2p + 2 = 11$</p>	<p style="text-align: center;">12</p> <p>Solve. $7n < 5n + 11$</p>	<p style="text-align: center;">13</p> <p>Alan thinks of a number. He multiplies the number by 5 and then subtracts 7. His answer is 5. What number did Alan think of?</p>	
<p style="text-align: center;">15</p> <p>What is the volume?</p> 	<p style="text-align: center;">16</p> <p>Work out 12.5% of £1100 without a calculator</p>	<p style="text-align: center;">17</p> <p>All items in a sale are reduced by 60%. How much will a £12 item cost in the sale?</p>	<p style="text-align: center;">18</p> <p>Expand and simplify: $(2x - 3)(x - 5)$</p>	<p style="text-align: center;">19</p> <p>A regular polygon has interior angles of 135°. How many sides does this polygon have?</p>	<p style="text-align: center;">20</p> <p>Find four different integers between 1 and 9 inclusive that have: - a mean of 6 - a range of 5.</p>	
<p style="text-align: center;">22</p> <p>Simplify $m^{-3} \div m^{-7}$</p>	<p style="text-align: center;">23</p> <p>Factorise $24p^2q - 8p^2$</p>	<p style="text-align: center;">24</p> <p>Work out $(4.1 \times 10^5) \times 3000$ without a calculator</p>	<p style="text-align: center;">25</p> <p>Calculate the largest share when £400 is shared in the ratio 1 : 2 : 5.</p>	<p style="text-align: center;">26</p> <p>Write 501 000 in standard form</p>	<p style="text-align: center;">27</p> <p>The height, H cm, of a table is measured as 68 cm correct to the nearest centimetre. Complete the following statement to show the range of possible values of H. $\leq H <$</p>	
<p style="text-align: center;">29</p> <p>Without a calculator what is 57×48?</p>	<p style="text-align: center;">30</p> <p>Paula is buying a new car for £8500. She has to pay a 15% deposit. How much is the deposit?</p>	<p style="text-align: center;">31</p> <p>work out $\frac{2}{5} + \frac{3}{8}$</p>	<div style="display: flex; align-items: center; justify-content: center;">  <div style="text-align: center;"> <p style="color: orange; font-weight: bold; font-size: 1.2em;">July 2019</p> <p style="color: blue; font-weight: bold; font-size: 1.2em;">REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</p> </div> </div>			