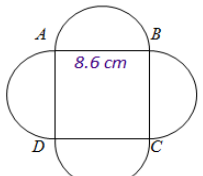
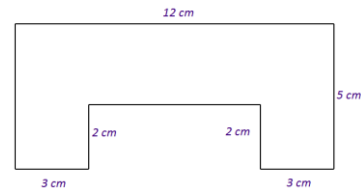


A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>JULY 2017</h1>					<p style="text-align: center;">1 2</p> <p>A square has an area of 100 cm². The length of a rectangle is three times the width of the rectangle. The perimeter of the square is the same as the perimeter of the rectangle. Work out the area of the rectangle.</p>	
<p style="text-align: right;">3</p> <p>Factorise fully $4x^3y + 6xy - 9x^2y^2$</p> <p style="text-align: center;">$x^2 - 100$</p>	<p style="text-align: right;">4</p> <p>Work out the value of $(8.4 \times 10^6) \times (3.5 \times 10^7)$</p>	<p style="text-align: right;">5</p> <p>Round 0.000608765 to three decimal places</p>	<p style="text-align: right;">6</p> <p>Work out 1.83×47</p>	<p style="text-align: right;">7</p> <p>Simplify fully $\frac{m^{-2} \times m^5}{m^{-4}}$</p>	<p style="text-align: right;">8 9</p> <p>Find an expression, in terms of n, for the nth term of this sequence: 3 9 15 21 27</p>	
<p style="text-align: right;">10</p> <p>What size is the exterior angle of a octagon?</p>	<p style="text-align: right;">11</p> <p>Solve $7(x + 2) = 7$</p>	<p style="text-align: right;">12</p> <p>I invest £1200 in an account that pays compound interest of 2.25% per annum. How much money will be in the account in 3 years</p>	<p style="text-align: right;">13</p> <p>Write 51 as a product of its prime factors</p>	<p style="text-align: right;">14</p> <p>Factorise $x^2 - 4x - 12$</p>	<p style="text-align: right;">15 16</p> <p>Ann and Bob share £360 in the ratio 4:5 Bob then gives some of his money to Ann so that they each have the same amount. Work out how much money Ann gave to Bob</p>	
<p style="text-align: right;">17</p> <p>Simplify $3x + 3x$</p>	<p style="text-align: right;">18</p> <p>Rearrange to make l the subject $H = atl^2 - b$</p>	<p style="text-align: right;">19</p> <p>Calculate: $\frac{3}{5} \div \frac{1}{2}$</p>	<p style="text-align: right;">20</p> <p>Write down the value of 2^{-2}</p>	<p style="text-align: right;">21</p> <p>A number "x", is rounded to 4.52 correct to 2 decimal places. What is the error interval of x?</p>	<p style="text-align: right;">22</p> <p>Work out the area of this shape:</p> 	
<p style="text-align: right;">24</p> <p>Evaluate 27^0</p>	<p style="text-align: right;">25</p> <p>What is the lowest common multiple of 4, 18 and 15?</p>	<p style="text-align: right;">26</p> <p>Calculate: $1\frac{2}{5} \times 2\frac{3}{8}$</p>	<p style="text-align: right;">27</p> <p>Expand and simplify $(3x - 2y)(2x + 4y)$</p>	<p style="text-align: right;">28</p> <p>Which of these is the largest fraction? $\frac{7}{10}$ $\frac{3}{5}$ $\frac{29}{40}$</p>	<p>Work out the area of this shape:</p> 	
<p style="text-align: right;">31</p> <p>Simplify $6x(x - 3) - 2x(3 + 2x)$</p>	<h2>REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</h2>					