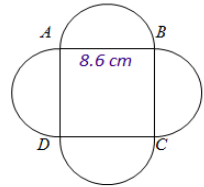
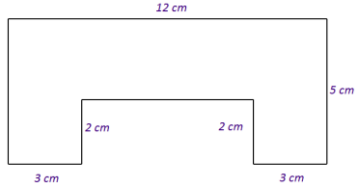


A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>JULY 2017</h1>					<p>1</p> <p>A square has an area of 100 cm^2. 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>2</p>
<p>3</p> <p>Factorise fully $4x^3y + 6xy - 9x^2y^2$</p> <p>$x^2 - 100$</p>	<p>4</p> <p>Work out the value of $(8.4 \times 10^6) \times (3.5 \times 10^7)$</p>	<p>5</p> <p>Round 0.000608765 to three decimal places</p>	<p>6</p> <p>Work out 1.83×47</p>	<p>7</p> <p>Simplify fully $\frac{m^{-2} \times m^5}{m^{-4}}$</p>	<p>8</p> <p>Find an expression, in terms of n, for the nth term of this sequence: 3 9 15 21 27</p>	<p>9</p>
<p>10</p> <p>What size is the exterior angle of a octagon?</p>	<p>11</p> <p>Solve $7(x + 2) = 7$</p>	<p>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>13</p> <p>Write 51 as a product of its prime factors</p>	<p>14</p> <p>Factorise $x^2 - 4x - 12$</p>	<p>15</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 Bob gave to Ann</p>	<p>16</p>
<p>17</p> <p>Simplify $3x + 3x$</p>	<p>18</p> <p>Rearrange to make l the subject $H = atl^2 - b$</p>	<p>19</p> <p>Calculate: $\frac{3}{5} \div \frac{1}{2}$</p>	<p>20</p> <p>Write down the value of 2^{-2}</p>	<p>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>22</p> <p>Work out the area of this shape:</p> 	<p>23</p>
<p>24</p> <p>Evaluate 27^0</p>	<p>25</p> <p>What is the lowest common multiple of 4, 18 and 15?</p>	<p>26</p> <p>Calculate: $1\frac{2}{5} \times 2\frac{3}{8}$</p>	<p>27</p> <p>Expand and simplify $(3x - 2y)(2x + 4y)$</p>	<p>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>29</p>
<p>31</p> <p>Simplify $6x(x - 3) - 2x(3 + 2x)$</p>	<p>REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</p>					