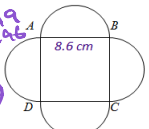
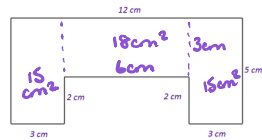


MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>JULY 2017</h1>					<p style="text-align: center;">1 2</p> <p>A square has an area of 100 cm^2. The length of a rectangle is three times the width of the rectangle. The perimeter of the square is the same as the perimeter of the rectangle. Work out the area of the rectangle. 75 cm^2</p>	
<p>3</p> <p>Factorise fully $4x^3y + 6xy - 9x^2y^2$ $3xy(4x^2 + 6 - 9xy)$ $x^2 - 100$ $(x+10)(x-10)$</p>	<p>4</p> <p>Work out the value of $(8.4 \times 10^6) \times (3.5 \times 10^7)$ 29.4×10^{13} 2.94×10^{14}</p>	<p>5</p> <p>Round 0.000608765 to three decimal places 0.000609</p>	<p>6</p> <p>Work out 1.83×47 86.01</p>	<p>7</p> <p>Simplify fully $m^{-2} \times m^5$ m^{-4} $\frac{m^3}{m^4} \cdot m^2$</p>	<p>8 9</p> <p>Find an expression, in terms of n, for the nth term of this sequence: $-3 \quad 3 \quad 9 \quad 15 \quad 21 \quad 27$ $6n - 3$</p>	
<p>10</p> <p>What size is the exterior angle of a octagon? $360 \div 8 = 45$</p>	<p>11</p> <p>Solve $7(x + 2) = 7$ $x + 2 = 1$ $x = -1$</p>	<p>12</p> <p>$1.0225 \text{ } \pounds 1282.842$ I invest $\pounds 1200$ 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 3×17</p>	<p>14</p> <p>Factorise $x^2 - 4x - 12$ $(x-6)(x+2)$</p>	<p>15 16</p> <p>Ann and Bob share $\pounds 360$ in the ratio 4:5 $160:200$ Bob then gives some of his money to Ann so that they each have the same amount. $A \quad B$ $180 \quad 180$ Work out how much money Bob gave to Ann 20</p>	
<p>17</p> <p>Simplify $3x + 3x$ $6x$</p>	<p>18</p> <p>Rearrange to make l the subject $H = atl^2 - b$ $l = \sqrt{\frac{H+b}{at}}$</p>	<p>19</p> <p>Calculate: $\frac{6}{5} \quad \frac{3}{5} \div \frac{1}{2} = \frac{6}{5}$</p>	<p>20</p> <p>Write down the value of 2^{-2} $\frac{1}{2^2} = \frac{1}{4}$</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? $4.515 \leq x < 4.525$</p>	<p>22</p> <p>Work out the area of this shape: $r = 4.3 \text{ cm}$ $2 \times (\pi \times 4.3^2) + (8.6 \times 8.6)$ 190.14 cm^2 </p>	
<p>24</p> <p>Evaluate 27^0 $= 1$</p>	<p>25</p> <p>What is the lowest common multiple of 4, 18 and 15? 180</p>	<p>26</p> <p>Calculate: $1\frac{2}{5} \times 2\frac{3}{8}$ $3\frac{3}{40}$</p>	<p>27</p> <p>Expand and simplify $(3x - 2y)(2x + 4y)$ $6x^2 + 12xy - 4xy - 8y^2$ $6x^2 + 8xy - 8y^2$</p>	<p>28</p> <p>Which of these is the largest fraction? $\frac{7}{10} \quad \frac{23}{40} \quad \frac{3}{5} \quad \frac{24}{40} \quad \frac{29}{40}$</p>	<p>Work out the area of this shape: 48 cm^2 </p>	
<p>31</p> <p>Simplify $6x(x - 3) - 2x(3 + 2x)$ $6x^2 - 18x - 6x - 4x^2$ $2x^2 - 24x = 2x(x-12)$</p>	<p>REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</p>					