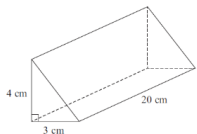
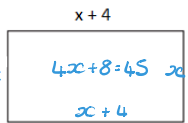


MAY ... A LITTLE BIT OF MATHS EVERY DAY

<p>1 Simplify $2a^3b \times 5a^2b^3$ $10a^5b^4$</p>	<p>2 Write 2.89×10^{-3} as an ordinary number 0.00289</p>	<p>3 Solve $3x - 5 = 16$ $3x = 21$ $x = 7$</p>	<p>4 Simplify $\frac{5m^4 \times 3m^2}{m^2 \quad 15m^4}$</p>	<p>5 Solve $(x + 2)(x - 3) = 0$ $x = -2, x = 3$</p>	<p>6 There are 792 litres of oil in Jays oil tank. He uses 18.7 litres of oil each day. Estimate the number of days it will take him to use all the oil in the tank. $\approx 800 \div 20 = 40 \text{ days}$</p>
<p>8 Work out 130% of £120 156</p>	<p>9 Work out 0.4×12 4.8</p>	<p>10 What is the highest common factor of 22 and 14? 14 154</p>	<p>11 Three numbers have a mean of 12 and a mode of 10. What are the numbers? $\underline{16} \quad \underline{10} \quad \underline{10}$</p>	<p>12 Write 24.7×10^4 in standard form 2.47×10^5</p>	<p>13 Paul bought a new car. The value of the car was £15 000. In the first year, the value of the car depreciated by 23%. After the first year, the value of the car depreciated by 18% each year. Work out if Paul's car lost more than half of its value by the end of three years. $\text{R } \text{£}7500$ No. \rightarrow actual $\text{£}7766.22$</p>
<p>15 Factorise $3y + 6$ $3(y + 2)$</p>	<p>16 A "thing" is reduced in a sale by 20%. The sale price is £80. What was the original price? $\text{£}100$</p>	<p>17 Write 525 as a product of its prime factors. $3 \times 5^2 \times 7$</p>	<p>18 Simplify $m^2 + m^2$ $2m^2$</p>	<p>19 Expand $x(x - 3)$ $x^2 - 3xc$</p>	<p>20 What is the surface area of the prism? 252 cm^2</p> 
<p>22 What is the area of a circle with a diameter of 10 cm? $r = 5 \text{ cm}$ $A = \pi r^2 = 25\pi = 78.5 \text{ cm}^2$ (1 dp)</p>	<p>23 Work out $\frac{3}{5} + \frac{2}{3} \quad \frac{19}{15}$ $\frac{14}{15}$</p>	<p>24 Work out (without a calculator) 123×12 1476</p>	<p>25 Simplify $4x^2 + 2x + 3x + 8$ $4x^2 + 5x + 8$</p>	<p>26 Work out 35% of 800 280</p>	<p>27 Simplify $3(m + 4) - 2(4m + 1)$ $3m + 12 - 8m - 2$ $-5m + 10$</p> <p>28 Change 3.5 metres to millimetres. 3500 m 3500 mm</p>
<p>29 What is $\frac{3}{5}$ of 80 48</p>	<p>30 Given the perimeter is 45cm, calculate the value of x 9.25 cm</p> <p>31</p> 	<p>REMEMBER: The best way to revise maths is to "do Maths"!</p>			