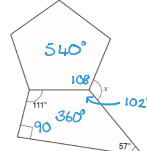


SEPTEMBER... A LITTLE BIT OF MATHS EVERY DAY

<p>176 pounds = 80 kgs 1 Chris weighs 12 stone 8 pounds. Fize weighs 85 kilograms. Who is heavier, and by how much? 1 stone = 14 pounds. 1 kilogram is approximately 2.2 pounds. Fize is 5 kilograms</p>	<p>2 Calculate $(3.7 \times 10^5) + (4.1 \times 10^4)$. 41370 4.137×10^4</p>	<p>3 Round 0.000698765 to 1 significant figure 0.0007</p>	<p>4 What is the remainder when 250 is divided by 8? 2</p>	<p>5 Simplify fully $\frac{4m^2 \times m^5}{2m^4}$ $2m^3$</p>	<p>6 Dann invests £8240 for 2 years at 3% per annum compound interest. Find the compound interest earned in two years? £501.82</p>	<p>7 Write 510 as a product of its prime factors $2 \times 3 \times 5 \times 17$</p>
<p>8 The total cost of 4 magazines is £3.60. Each magazine costs the same amount. 90p How much do 19 magazines cost? £17.10</p>	<p>9 Solve $x - 7 = 11$ $x = 18$</p>	<p>10 A shape is made up of five identical rectangles. The area of the complete shape is 500 m². $\frac{100m^2}{each}$ The width of each rectangle is 4 m. Calculate the length of one of the rectangles 25m</p>	<p>11 Factorise $x^2 + 2x - 15$ $(x + 5)(x - 3)$</p>	<p>12 Julia & Hannah earned £45 by washing cars. They agreed to share the money in the ratio of the time they each spent washing cars. Julia washed cars from 10:15 a.m. to 11:45 a.m. and Hannah washed cars from 1:45 p.m. to 4:45 p.m. How much did each person receive? J : H J : H 1.5 : 3 £15 : £30 1 : 2</p>	<p>13 14</p>	
<p>15 Simplify $3p \times 3p$ $9p^2$</p>	<p>16 Find the value of $6x + 2y$ when $x = 7$ and $y = -10$. $42 + -20 = 22$</p>	<p>17 Given: $18 = 7 + a$ $a = 11$ $a + 5 = 10 + b$ Work out the values of a and b $a = 11, b = 6$</p>	<p>18 What is the median number? 20, 5, 1, 40, 17, 15 16</p>	<p>19 Find 2.7% of 54. Give your answer correct to 2 decimal places</p>	<p>20 Seven times a whole number, x, subtract twenty-six is greater than forty-four. What is the least possible value of this whole number? $7x - 26 > 44$ number? 71 $x > 70$</p>	<p>21 Calculate: $1\frac{2}{5} + \frac{3}{8} = 1\frac{31}{40}$</p>
<p>22 Total: 448 Emma has 163 marbles. Laura has 285 marbles. Laura gives some marbles to Emma so that they both have the same number of marbles. How many marbles does Laura give to Emma? 61</p>	<p>23 In May, a bag of apples cost £1.40. From May to June, the price increased by 15%. 1.61 From June to July, the price decreased by 18%. 1.3202 From July to August, the price increased by 2%. 1.346604 Calculate the price in August. £1.35</p>	<p>24 Solve the equation $8y - 3 = 2(2y + 8)$ $8y - 3 = 4y + 16$ $4y = 19$ $y = 4.75$</p>	<p>25 Find the sum of $\frac{2}{5}$ of 570 and $2\frac{3}{11}$ of 6204 798 14100 14898</p>	<p>26 Calculate the size of angle x 150°</p>	<p>27</p>	<p>28 </p>
<p>29 Which metric unit which is best used for: - length of a pencil, centimetre - distance from London to Paris, kilometres - volume of a swimming pool? litres</p>	<p>30 Use either the symbol < or > to make each statement true. 3 7 -15 -11 -4 -5</p>	<p>REMEMBER: The best way to revise maths is to "do Maths"!</p>				