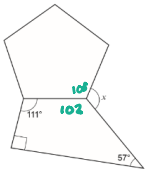
A LITTLE BIT OF MATHS EVERY DAY ...

SEPTEMBER '17

85 × 2.2 = 187 pounds

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
				1 Use either the symbol < or > to make each statement true. 3 ..... < ..... 7 −15 ..... < ..... 11 −4 ..... > ..... −5	**2** Calculate the size of angle x 540 ÷ 5 = 108 x = 150°	**3** 
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 heavier 176 Pounds	**5** Calculate $(3{\cdot}7 \times 10^2) + (4{\cdot}1 \times 10^4)$. 370 41000 41370 $4{\cdot}137 \times 10^4$	**6** Round 0.000698765 to 1 significant figure 0·0007	**7** What is the remainder when 250 is divided by 8? 2	**8** Simplify fully $\frac{4m^2 \times m^5}{2m^4}$ $\frac{4m^7}{2m^4}$ $2m^3$	**9** A shape is made up of five identical rectangles. The area of the complete shape is 500 m². The width of each rectangle is 4 m. Calculate the length of one of the rectangles 1 rectangle = 100m² ÷ 4 = 100 length = 25	**10**
11 The total cost of 4 magazines is £3.60. Each magazine costs the same amount. How much do 19 magazines cost? £17·10	**12** Solve x - 7 = 11 x = 18	**13** Dawn invests £8240 for 2 years at 3% per annum compound interest. Find the compound interest earned in two years? £301·82	**14** Write 510 as a product of its prime factors 2 × 3 × 5 × 17	**15** Factorise $x^2 + 2x - 15$ (x − 3)(x + 5)	**16** 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? 1:2 1·5 3 £15 : £30	**17** J H.
18 SImplify 3p x 3p $9p^2$	**19** Find the value of 6x + 2y when x = 7 and y = −10. 42 - 20 = 22	**20** Given: 18 = 7 + a a + 5 = 10 + b Work out the values of a and b a = 11 b = 6	**21** What is the median number? 20, 5, 1, 40, 17, 15 1 5 15 17 20 40 16	**22** Find 2·7% of 54. Give your answer correct to 2 decimal places 1·458 1·46 (2dp)	**23** In May, a bag of apples cost £1.40. From May to June, the price increased by 15%. From June to July, the price decreased by 18%. From July to August, the price increased by 2%. Calculate the price in August. 1·61 1·32 1·346604 £1.35	
25 224 each 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	**26** x > 10 Seven times a whole number, x, subtract twenty-six is greater than forty-four. What is the least possible value of this whole number? 11	**27** Calculate: $1\frac{2}{5} + \frac{3}{8}$ $\frac{71}{40}$ $1\frac{31}{40}$	**28** Solve the equation 8y − 3 = 2(2y + 8) 8y - 3 = 4y + 16 4y = 19 y = 4·75	**29** Find the sum of $1\frac{2}{5}$ of 570 and $2\frac{3}{11}$ of 6204 228 + 3384 3612	**30** Which metric unit which is best used for: - length of a pencil, cm - distance from London to Paris, km - volume of a swimming pool? Litres	**REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!**