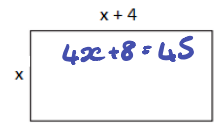
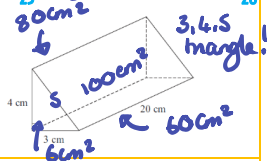
A LITTLE BIT OF MATHS EVERY DAY ... (CROSSOVER)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
MAY 2019		1 Work out (without a calculator) 123 x 12 1476	2 Simplify $4x^2 + 2x + 3x + 8$ $4x^2 + 5x + 8$	3 Work out 35% of 800 280	4 Given the perimeter is 45cm, calculate the value of x 9.25	5 
6 Simplify $2a^3b \times 5a^2b^3$ $10a^5b^4$	7 Write 2.89×10^{-3} as an ordinary number 0.00289	8 Solve $3x - 5 = 16$ $x = 7$	9 Simplify $\frac{m^4 \times m^3}{m^2}$ m^5	10 Solve $(x + 2)(x - 3) = 0$ $x = -2 \quad x = 3$	11 There are 792 litres of oil in Jays oil tank. ≈ 800 He uses 18.7 litres of oil each day. ≈ 20 $800 \div 20$ Estimate the number of days it will take him to use all the oil in the tank. ≈ 40	12
13 Work out 130% of £120 £156	14 Work out 0.4 x 12 4.8	15 What is the highest common factor of 25 and 56? 1	16 Three numbers have a mean of 12 and a mode of 10. What are the numbers? 16	17 Write 24.7×10^4 in standard form 2.49×10^5	18 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. No. $\frac{1}{2} = 7500$ Value at end of 3 years = £7766.22	19
20 Factorise $3y + 6$ $3(y + 2)$	21 A "thing" is reduced in a sale by 20%. The sale price is £80. What was the original price? £100	22 Write 525 as a product of its prime factors. $3 \times 5^2 \times 7$	23 Simplify $m^2 + m^2$ $2m^2$	24 Expand $x(x - 3)$ $x^2 - 3x$	25 What is the surface area of the prism? $6 + 6 + 80 + 60 + 100$ $252 cm^2$	26 
27 What is the area of a circle with a diameter of 10 cm? $r = 5cm$ $A = 25\pi\ cm^2$	28 Work out $\frac{3}{5} + \frac{2}{3}$ $\frac{19}{15}$	29 What is $\frac{3}{5}$ of 80 48	30 Simplify $3(m + 4) - 2(4m + 1)$ $3m + 12 - 8m - 2$ $-5m + 10$	31 Change 3.5 metres to millimetres. 3500mm	**REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!**	