


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

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>NOVEMBER 2018</h1>			1 A "thing" is reduced by 23% in a sale. The reduction is £57.50. What is the normal price of the "thing"? £250	2 $\frac{3}{7} \times \frac{3}{8} = \frac{9}{56}$	3 $A = C + 5$ $B = C + 13$ $C = C$ Three friends played a game. Al scored 5 more points than Chris. Bob scored 8 more points than Al. They scored a total of 69 points. Find the number of points that each of them scored. A = 16 B = 24 C = 11 $3C + 18 = 54$ $3C = 33$ $C = 11$	
5 $\frac{5}{9} - \frac{1}{3} = \frac{2}{9}$	6 m is an integer such that $-2 < m \leq 1$. Write down all the possible values of m. -1, 0, 1	7 Share £102 in the ratio 5 : 3 : 4 £42.50 : 25.50 : £34	8 Simplify $p^7 \times p^{-4}$ p^3	9 Work out 45.6×3.4 155.04	10 The size of the largest angle in a triangle is 4 times the size of the smallest angle. The other angle is 36° less than the largest angle. Work out, in degrees, the size of each angle in the triangle. You must show your working. $4x + 2x + 4x - 36 = 180$ $9x = 216$ $x = \frac{216}{9} = 24$ 24, 96, 60	
12 Write 16.7×10^{-3} in standard form 1.67×10^{-2}	13 Simplify $2m^3 + 3m^3$ $5m^3$	14 Work out 27.5% of £9250 £2543.75	15 $0.75 + 0.4$ $0.75 + \frac{2}{5}$ 1.15	16 £1200 is invested for 3 years at 3.5% compound interest per year. Work out the total interest. £130.46	17 $y = 8x - 5$ $y = 4x - 2.5$ The equation of the line L_1 is $y = 2x - 2$. The equation of the line L_2 is $2y - 8x + 5 = 0$. Are these two lines parallel? No, the gradients are different	
19 What is the name of the red line?  diameter	20 Find the lowest common multiple (LCM) of 40 and 56 280	21 $\frac{14}{35} \times \frac{2}{5} + \frac{4}{7} \times \frac{20}{35} = \frac{34}{35}$	22 The total surface area of a cube is 150 cm^2 . Work out the volume of the cube. 25 cm^3 5 cm 125 cm^3	23 Write 50 003 in standard form. 5.0003×10^4	24 The nth term of a sequence is $4n^2$. Mel says that the 3rd term of this sequence is 144. Is Mel correct? No. 3rd term = 36 $4 \times 3^2 = 4 \times 9 = 36$	
26 $\frac{3}{4} \div \frac{1}{4} = 3$ $0.75 \div \frac{1}{4}$	27 Solve $3x + 5 = 32$ $3x = 27$ $3x = 9$	28 Simplify $(2ab^3)^3$ $8a^3b^9$	29 Simplify $7 \times e \times f \times 8$ $56ef$	30 Simplify $\frac{24p^3r^2}{6pr}$ $4p^2r$	<h2>REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</h2>	