

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

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>MARCH 2019</h1>				Calculate: $1\frac{2}{5} \div \frac{3}{4}$	I travel from "A" to "B" at an average speed of 50 mph. I then travel from "B" to "C", which is 210 miles at an average speed of 70 mph. My total journey time is 5 hours. What is my average speed for the total distance travelled from "A" to "C"?	
Factorise fully $4ab + 12a^2b^2$	work out the value of $(3 \times 10^8) \div (6 \times 10^7)$	Solve $2x^3 = 128$	Write these in size order - from smallest to largest $2^5 \quad 4^3 \quad 1^6 \quad 64^0$	Simplify fully $\frac{m^{0.5} \times m^6}{m^3}$	A TV is reduced by 30% in a sale. The sale price of the television is £350 Work out the normal price of the television.	
Robert has a biased coin; the probability that the coin will land on heads is 0.6. What is the probability of flipping the coin three times and getting a tails all three times?	Without a calculator, work out: 349×54	I invest some money in account that pays compound interest of 5% per annum. How many years does it take to double my money?	List all the factors of 32	What is the value of n ? $23 \times 2n = 29$	An adult meal costs £4.50 and a child's meal costs £2.75 Will £500 be enough to pay for meals for 84 adults and 42 children?	
Simplify $2a^2 + 2(3a - 5)$	Draw a venn diagram representing the below: $E = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ $A = \{\text{even numbers}\}$ $B = \{\text{multiples of 3}\}$	Calculate: $3\frac{3}{5} \times 2\frac{1}{7}$	Expand and simplify $(x + 4)(x - 6)$ $4xy(2x + 3y)$	The length, L cm, of a pencil is measured as 17cm correct to the nearest centimetre. What is the error interval of L ?	Adam thinks of a number. He divides his number by 6 He then adds 13 His answer is 16 What number did Adam first think of?	
Expand & simplify $(3x + y)(x + 2y)$	Simplify $4e + 6f + 3e - 2f$	Lois and Robert share a sum of money in the ratio 2 : 5 Lois has £45 more than Robert. How much does Robert have?	Estimate $\frac{6.8 \times 191}{0.051}$	Find the fourth term of this quadratic sequence: $n^2 + 3n - 2$	A box is on a table. The area of the box in contact with the table is 1500cm^2 . The pressure on the table is 28 newtons/ m^2 . Work out the force exerted by the box on the table.	

REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!