

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

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

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