

$A \rightarrow B$ 50mph 100miles 2hrs
 $B \rightarrow C$ 70mph 210miles 3hrs
 TOTAL 310miles 310 ÷ 5 = 62mph
A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
MARCH 2017						
		Calculate: $\frac{28}{15}$ $1\frac{2}{5} \div \frac{3}{4} = \frac{13}{15}$	$15 \times 6 = 90 \text{ km/hr}^2$ Which is faster? 80 km per hour or the speed I am travelling at if I do 15 km in 10 minutes ← fastest	Calculate $0.2 \times 0.3 = 0.06$ $1.2 \div 0.2 = 6$	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"? 62mph.	
Factorise fully $4ab + 12a^2b^2$ $4ab(1 + 3ab)$	Work out the value of $(3 \times 10^8) \div (6 \times 10^7)$ = 5	Solve $2x^3 = 128$ $x = 4$	Write these in size order - from smallest to largest $64^0, 16, 2^5, 4^3, 2^5, 16, 64^0$	Simplify fully $\frac{m^{0.5} \times m^6}{m^3} = m^{3.5}$	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. £500	
$P(H) = 0.4$ 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? 0.064	Without a calculator, work out: $349 \times 54 = 18846$	15 years. I invest some money in an 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 1, 32, 2, 16, 4, 8	What is the value of n ? $2^3 \times 2^n = 2^9$ $n = 6$	$84 \times 4.50 + 42 \times 2.75$ 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? Yes. It will cost £493.50	
Simplify $2a^2 + 2(3a - 5)$ $2a^2 + 6a - 10$	Draw a venn diagram representing the below: $S = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ $A = \{\text{even numbers}\}$ $B = \{\text{multiples of 3}\}$	Calculate: $\frac{54}{7}$ $3\frac{3}{5} \times 2\frac{1}{7} = 7\frac{5}{7}$	Expand and simplify $(x+4)(x-6)$ $4xy(2x+3y)$ $8x^2y + 12xy^2$	$16.5 \leq L < 17.5$ 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? 18	
Expand & simplify $(3x+y)(x+2y)$ $3x^2 + 7xy + 2y^2$	Simplify $4e + 6f + 3e - 2f = 7e + 4f$	Lois and Robert share a sum of money in the ratio 2:5. Lois has £45 more than Robert. How much does Robert have? £36	Estimate $\frac{6.8 \times 191}{0.051} \approx \frac{7 \times 200}{0.05} = 28,000$	Find the fourth term of this quadratic sequence: $n^2 + 3n - 2$ 26	REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!	



$A = \{2, 4, 6, 8, 10\}$
 $B = \{3, 6, 9\}$

means lois must have 'Sports'
 $L: R = 2:5$
 $£45 \div 3 = £15$
 $75 - 30 = 45$