

A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
FEBRUARY 2017						
1	2	3	4	5	6	7
Calculate: $1\frac{2}{5} + \frac{3}{4} = 2\frac{3}{20}$	Factorise fully $18ab + 27ab^2$ $9ab(2 + 3b)$	If I invest £4500 at a compound interest rate of 4.5% how much will I have after 2 years? 4500×1.045^2 $£4914.11$	Ed bought 2 tins of paint and 3 brushes at a total cost of £15.50 Amir bought 1 tin of paint and 1 brush at a total cost of £8. Calculate the price of a single tin of paint and the price of one brush. $2p + 3b = 15.50$ $1p + 1b = 8.00$ $1 \text{ brush} = 3.50$ $1 \text{ tin of paint} = 2.50$			
8	9	10	11	12	13	14
How long will it take to do 20 miles travelling at 30 miles per hour? 40 mins $1 \text{ hour} = 30 \text{ miles}$ $2 \text{ hours} = 10 \text{ miles}$ $4 \text{ hours} = 2 \text{ miles}$	Work out the value of $(6 \times 10^5) + (4 \times 10^7)$ 6.4×10^8	Solve $11 - 4p = 6p - 8$ $14 = 10p$ $p = 1.4$	A cube has a side length of 3cm. Calculate its surface area $1 \text{ face} = 9 \text{ cm}^2$ $3 \text{ area} = 9 \times 6 = 54 \text{ cm}^2$	Simplify fully $\frac{m^2 \times m^6}{m^3} = \frac{m^8}{m^3} = m^5$	Emma, Hannah and Julia share £54. Hannah gets three times as much money as Emma. Julia gets twice as much money as Hannah. $54 \div 10 = 5.4$ $5.4 \times 2 = 10.8$ $5.4 \times 3 = 16.2$ How much money does Julia get? $£32.40$	
15	16	17	18	19	20	21
A 4 pint bottle of milk costs £1.18. A 6 pint bottle of milk costs £1.74. Which bottle of milk is the best value for money? $1.18 \div 4 = 29.5$ $1.74 \div 6 = 29$	Without a calculator, work out: 157×54 8478	Find the Lowest Common Multiple (LCM) of 32 and 48 $32 \times 3 = 96$ $48 \times 2 = 96$ 96	What is the 7th prime number? $2, 3, 5, 7, 11, 13, 17, 19$ 17	Evaluate: $3^0 \times 3^3 = 1 \times 27 = 27$ $2^{-2} = \frac{1}{2^2} = \frac{1}{4}$	A netball team played six games. The mean score for the six games is 14.5 The team played one more game. The mean score for all seven games is 16 Work out the number of points the team scored in the seventh game. mean $14.5 \times 6 = 87$ total $112 - 87 = 25$	
22	23	24	25	26	27	28
Simplify $5a - 3(2a + 6)$ $5a - 6a - 18$ $-1a - 18$	The length of the rectangle is 9 cm. The perimeter of the rectangle is 31 cm. What is the width of the rectangle? $31 - 18 = 13$ $13 \div 2 = 6.5 \text{ cm}$	Calculate: $3\frac{1}{8} \times \frac{2}{5} = \frac{1}{4}$	Put in size order (smallest to largest): 4.73×10^3 4.73×10^2 4.73×10^{-3} 0.00473 0.00473	A square has a perimeter of 28cm. What is its area? $7 \times 7 = 49 \text{ cm}^2$	There are 60 litres of water in a barrel. The water flows out of the barrel at a rate of 250 millilitres per second. 1 litre = 1000 millilitres. Work out the time it takes for the barrel to empty completely. $60 \text{ litres} = 60,000 \text{ millilitres}$ $1 \text{ second} = 250 \text{ ml.}$ $240 \text{ seconds} = 60,000 \text{ ml} \div 250 = 240$	
29	30	31	32	33	34	35
Expand & simplify $(3x - 1)(x + 5)$ $3x^2 + 15x - x - 5$ $3x^2 + 14x - 5$	Lois and Robert share a sum of money in the ratio 2:3 What fraction of the money does Robert receive? $\frac{3}{5}$					

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