

All Saints Staff Numeracy Challenge

Week commencing Monday 26th March 2018

Puzzle 1 Mind Gym Can you complete this **WITHOUT USING A CALCULATOR** in the quickest time possible

BEGINNER										ANSWER
84	$\frac{6}{7}$ of this	Triple it	$\div 8$	-21	x by itself	$\frac{2}{3}$ of this	-17	x 9	+ 19	

INTERMEDIATE										ANSWER
108	$\div 9$	x 4.75	Triple it	+ 74	80% of this	$\sqrt{\quad}$	x 9	-48	$\frac{5}{6}$ of this	

ADVANCED										ANSWER
15	x 12.2	Triple it	-225	$\sqrt{\quad}$	x 9	$\frac{2}{3}$ of this	x 5.25	$\div 21$	x by itself	

Puzzle 2 Sudoku

Normal Sudoku

7			1	3	4			9
		6				8		
	9				2			
	2				6		7	
			4	9	7			
	7							9
			6					8
		8				4		
6			7	5				1

Killer Sudoku

22		15			15			24
				23				
21	11				10		13	26
			7					
			12		16	23		
18	16							19
	12		12		8			
		22		22				15
					12			

Puzzle 3 Prize puzzle – Easter Cryptarithm

This is a mathematical sum where each digit has been replaced by a letter. That letter always represents the same digit. Can you crack it?

$$\begin{array}{r}
 \text{J E S U S} \\
 + \text{R I S E N} \\
 \hline
 \text{E A S T E R}
 \end{array}$$



Why are bunnies so good at the mathematics of insurance?
Because they can multiply like CRAZY!

Email me (w.chadburn@allsaintslearning.co.uk) or write on a bit of paper the correct answer **and WHY** no later than Friday 30th March at 9am – correct answers go into a hat on Friday for a chance to win a chocolatey prize