



Gordon Burgin's Puzzles

December 2018 challenge

MIND-Xpander Maths Problem

What 'interesting' value do you get when you sum together the square of the first seven prime numbers?

Alphametic Puzzles

Alphametic puzzles (sometimes known as Cryptarithms or Verbal Arithmetic), are puzzles where words or phrases are put together in a correct arithmetic expression such that numbers can be substituted for the letters to make the expression true. Find the numeric equivalent for each of the following alphametic expressions. Each letter is unique with its whole-number being 0 to 9. Note: there may be more than one solution.

$$\text{CHECK} + \text{THE} = \text{TIRES} \quad (\text{Given: } E = 4)$$

$$\text{NO} + \text{NOT} + \text{THAT} = \text{AGAIN}$$

EQUATE+1 Puzzle

Each row, column & diagonal is an equation and you use the numbers 1 to 9 to complete the equations. Each number can be used only once. One number has been provided to get you started. Find the remaining eight numbers that satisfy all the resulting equations. Note – multiplication (x) & division (/) are performed before addition (+) and subtraction (-).

	-		/		=	1
x	+	-		x		
	x	4	+		=	19
/		+		+		
	+		-		=	15
=	=	=	=			
2	9	9	12			