



# Gordon Burgin's Puzzles

## February 2024 challenge

### Puzzle One

In the following numeric series: 4, 8, 7, 5, 1, ?, ?, ?; what would be the next three terms (6th, 7th, and 8th ) in the series?

### Puzzle Two

A bag contains 1 dollar, 50 cents and 25 cents coins in the ratio 3 : 5 : 7. The total amount is \$1,856. How do you find the number of each denomination?

### Puzzle Three

Replace each letter with a number (i.e. 1 to 9) to make the following equations true.

- a) CHECK + THE = TIRES, (Given: E = 4)
- b) NO + NOT + THAT = AGAIN

### Puzzle Four

In these puzzles, each row, column and diagonal is an equation. Use the numbers 1 to 9 to complete the equations and each number can be used only once. 'One' number has been provided to get you started. Find the remaining eight numbers that satisfies all the resulting equations. Note: As in normal algebraic operation, multiplication (x) and division (/) are performed before addition (+) and subtraction (-).

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

	/		-		=	-3
-	+	/		+		
	/		+		=	9
+		+	+	x		
	+		x	2	=	23
=	=	=	=			
12	11	16	12			