



Gordon Burgin's Puzzles

December 2023 challenge

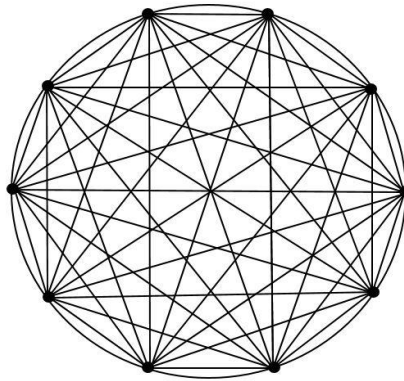
Puzzle One

In two years' time my age will be three times the age of my son was two years ago. Three years ago, my age was twice the age of my same son will be in three years' time. How old are we both?

Puzzle Two

There are 10 points equally spaced around the circle with interconnecting lines drawn between them.

- How many lines are needed to draw the 10-point pattern shown below?
- How many lines would you need if you had 50 points on the circle?
- How many lines would you need if you had 100 points on the circle?



Puzzle Three

The missing numbers are between 0 & 9. The numbers in each row add up to the totals on the right, and the columns add up to the totals along the bottom. The sums of the diagonals are also given. Find the missing numbers? (Note: there may be more than one solution.)

					=	13
		8	7	1	=	21
3	1			2	=	15
1				3	=	7
2	7			4	=	17
4	7				=	24
=	=	=	=	=	=	
15	16	28	10	15	=	12

					=	24
		5	1	3	=	17
3	4	9		1	=	20
6				0	=	26
	2	3	4		=	15
8	9	8			=	38
=	=	=	=	=	=	
19	27	33	22	15	=	23