



Gordon Burgin's Puzzles

January 2020 challenge

RELATIONAL Challenge

In the following puzzle, there is a common arithmetic relationship between the set of equations that allow their respective solutions as shown. Determine the relationship to find the unknown relational value (?).

$$1 + 4 = 5$$

$$2 + 5 = 11$$

$$3 + 6 = 19$$

$$5 + 8 = ?$$

MIND-Xpander (Circular Logic Challenge - Level 1)

You have 50 sticks standing upright in a circle (#1 to #50). Starting with stick #1, knock over the next stick (#2) in the circle. Then continue by knocking over every second stick (next is #4). Keep going around and around the circle until one stick remains standing. What number is the last stick standing?

What if you start with stick #4 and continue in same manner as above?