



Gordon Burgin's Puzzles

Month 2020 challenge

MIND-Xpander Challenges

1. What would the total be if you add 'all' the numbers in the first 200 consecutive numbers (i.e., $1 + 2 + 3 + 4 + 5 + \text{etc.}$)?
2. What would the total be if you add all the 'even' numbers in the first 200 consecutive numbers (i.e., $2 + 4 + 6 + 8 + 10 + \text{etc.}$)?
3. What would the total be if you add all the 'odd' numbers in the first 200 consecutive numbers (i.e., $1 + 3 + 5 + 7 + 9 + \text{etc.}$)?

MIND-Xpander ('Circles in a Rectangle' Challenge - Level 1)

The diagram below shows two identical circles touching each other and completely put inside a rectangle (as shown below). The circles are not over-lapping and each touch two sides of the rectangle (as shown). What are the dimensions of the rectangle if their radius is 5cm? Note: The diagram is not drawn to scale.

