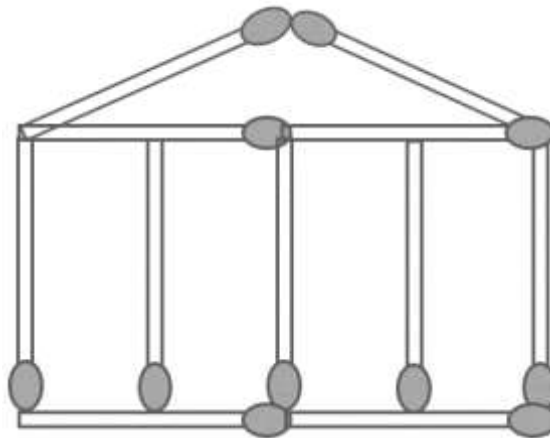# Gordon Burgin's Puzzles

July 2020 challenge

MATCHSTICK Challenge

Here is a figure with 11 matchsticks. Move two matchsticks to make eleven squares (of any size). All matchsticks must be used.

MIND-Xpander (Circles in a Rectangle Puzzle - Level 2)

The diagram below shows two equal and touching circles completely inside a rectangle as shown below. The circles have the same radius, are not over-lapping and each touch two sides of the rectangle, as shown. What are the radii of the circles if the dimensions of the rectangle are 48cm by 54cm? Note: The diagram is not drawn to scale.