

February 2019 challenge

MIND-Xpander Puzzle

You have a piece of paper, 10 cm. by 10 cm. Area = 100 cm^2 . For some reason, you need a square piece of paper with an area of 50 cm². Using the piece of paper, you have, what's an easy way of getting the new square?

Algebraic Challenge Puzzles

By replacing each question mark with an algebraic sign (+, -, x and /), solve the following equations for the answers as shown:

(6?4)? 12 = 12
(7?3)? (4?1) = 26
(4?2)? (4?3) = 24
(6?5)? (9?2) = 19

Chinese Multiplication Puzzle

Also known as a lattice method, the Chinese method provides an easy way to multiply any two numbers without the aid of a calculator. In the following puzzles, some or part of the multiplied or added values are provided. The object of this puzzle is to find the missing values to determine the original numbers that when multiplied together gives you the correct product as shown on the bottom line. Find these missing values.

