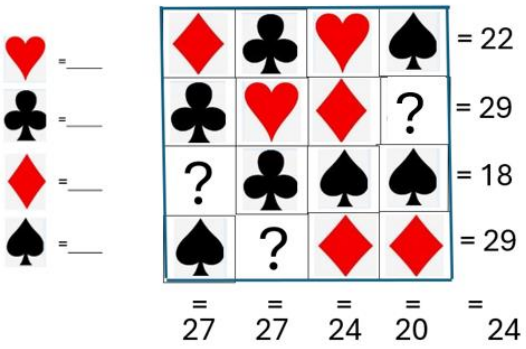
Gordon Burgin's Puzzles

July 2025 challenge

Challenge One

Each of the four symbols stands for a difference number. In order to satisfy the totals at the end of each row, each column and the diagonal, find the value of the heart, club, diamond & spade symbols. To do this, you will also need to determine the symbols that are required to replace the three ? symbols.



Challenge Two

A school security door code is a 5-digit number. The digits are ordered from highest to lowest and their product ls 336. What is the sum of the five digits?

Challenge Three

In my office desk, the number of pencils and pens was in the ratio 4 to 5 (4 : 5). I t took out a pen and replaced it with a pencil and now the ratio is 7 to 8 (7 : 8). What is the total number of pencils and pens in my desk?

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