

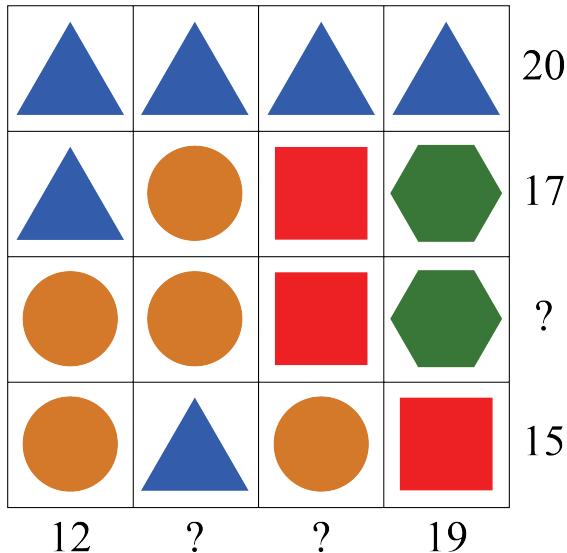


Problem of the Week

Problem A

Shape Sums

Each symbol in the grid below represents a number. The sums of the symbols in the first, second, and bottom rows and the leftmost and rightmost columns are shown.



For example, we know:

$$\triangle + \triangle + \triangle + \triangle = 20$$

Determine all the missing sums.