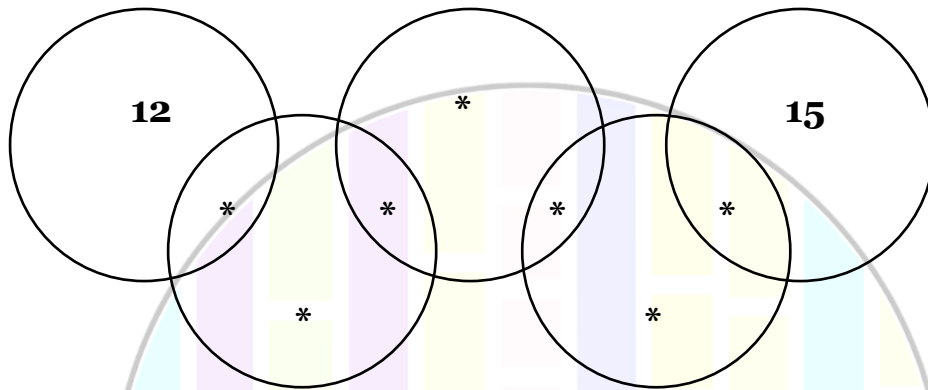


RAM Maths Circle

Date: March 23, 2024

Swami Vivekanand School, Dombivli

- 1) Assign numbers 3,4,5,6,8,9,11 (each exactly once) in place of * so that the sum of numbers in each circle is 20. Is the answer unique?



- 2) Simplify:

$$1+2+3+\dots+76+77+76+\dots+3+2+1$$

$$(77 \times 77)$$

- 3) A contractor has 1088 square files. In how many ways can he form a rectangle using all files each time.

- 4) Cryptarithmic

$$\begin{array}{r}
 E \\
 + DE \\
 + CDE \\
 + BCDE \\
 + ABCDE \\
 \hline
 2BCED
 \end{array}$$