

01

The equation $\square + \square + \square + \bigcirc = \bigcirc + \bigcirc$ is not true with 2 in \square and 3 in \bigcirc . Find as many pairs of numbers as possible that can be put in the \square and in the \bigcirc to make the equation true. For example, 0 in both \square and \bigcirc makes it true. Arrange your answers in a table like this.

\square	\bigcirc
0	0
...	...
:	:
n	n

Describe any pattern you notice. Explain why the pattern holds.

Your solution here:

02 The sum of 11 consecutive numbers is 187. Find the sum of the next 15 consecutive numbers.

Your solution here:

03 If an operation is defined as
 $a * b = 3a - b$, the value of x in $x * (1 * 2) = 2$ is

Your solution here:

04

We can select any 2 numbers, where the sum (or) subtraction becomes "-4".

Your solution here:

05

Find the value of 'a' in $\frac{a}{1 \times 2} + \frac{a}{2 \times 3} + \frac{a}{3 \times 4} + \dots + \frac{a}{2021 \times 2022} = 1$

Your solution here: