

Name: _____

FIBONACCI DAY!



Fibonacci Day, celebrated on November 23rd (11/23 reflecting the famous number sequence), honors the Fibonacci sequence, a series of numbers where each number is the sum of the two preceding ones, showcasing its fascinating presence in mathematics, nature, and art.

Directions: Use your math skills to find the value of each icon and the '?' in the puzzle below.

$$\text{Sunflower} + \text{Golden Rectangle} + \text{Golden Rectangle} = \text{Fibonacci Portrait}$$

$$\text{Broccoli} + 8 = 13$$

$$\text{Broccoli} - 3 = \text{Fibonacci Portrait}$$

$$\text{Nautilus Shell} \times \text{Golden Rectangle} = \text{Nautilus Shell}$$

$$\text{Broccoli} + \text{Fibonacci Portrait} + 13 + \text{Golden Rectangle} = ?$$

My Answer: ? = _____

Answer Key:

Sunflower=0

Golden Rectangle=1

Fibonacci=2

Romanesco Broccoli=5

Conch Shell= Unknown

?=21

Fun Fact: The Fibonacci sequence appears in nature more often than you might expect, such as in the spiral patterns of shells, the intricate, fractal-like spirals of Romanesco broccoli, and the arrangement of sunflower seeds, illustrating a the fascinating relationship between mathematics and the natural world.