

Name: _____

ORIGAMI DAY!

Origami Day, celebrated worldwide on November 11th, is a tribute to the ancient art of Japanese paper folding, where enthusiasts and artists showcase their intricate and imaginative creations, turning simple sheets of paper into extraordinary three-dimensional sculptures.

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

$$\text{Red Bird} \times \text{Red Bird} \times \text{Blue Penguin} = 128$$

$$\text{Blue Penguin} \times \text{Blue Penguin} + \text{Green Frog} = 100$$

$$\text{Blue Penguin} = \text{Red Bird} \times 2$$

$$\text{Green Frog} \div \text{Blue Duck} = \text{Blue Duck}$$

$$\text{Green Frog} \times \text{Blue Penguin} - \text{Red Bird} \times \text{Blue Duck} = ?$$

My Answer: ? = _____

Answer Key:

Swan=6

Bird=4

Penguin=8

Frog=36

?=264

Fun Fact: Origami is not only an art form but also a tool for scientific and mathematical study; researchers use origami techniques to solve complex problems in areas like space exploration, where large structures like solar panels are folded for transport and then expanded in space.