

Name: \_\_\_\_\_

# Winter Solstice

The December 21<sup>st</sup> solstice, marking the shortest day and longest night of the year in the Northern Hemisphere, is a celestial celebration that ushers in winter with festive lights and ancient traditions, reminding us of the Earth's relationship with the sun.

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

$$\text{snowflake} \times \text{snowflake} \times 3 = 243$$

$$\text{snowflake} \times 8 + \text{sun} = 96$$

$$\text{sun} - \text{sun} = 127$$

$$\text{sun} - 13 \times \text{snowflake} = \text{trees}$$

$$\text{sun} + \text{snowflake} \times \text{trees} - \text{sun} = ?$$

My Answer: ? = \_\_\_\_\_

Answer Key:

Snowflake=9

Forest=34

Sunset Over Mountains=24

Smiling Sun=151

**?=179**

**Fun Fact:** The Winter Solstice has been celebrated for thousands of years across various cultures, with traditions ranging from the ancient Roman festival of Saturnalia, a time of feasting and merrymaking, to the Scandinavian Feast of Juul, where burning logs symbolized the warmth and light of the returning sun.