Christmas Logic Puzzles

Clue grids, ordering, and number reasoning

Answer key · ZogMath

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1. Match the gifts

Mia, Leo, and Ava each wrapped a different gift: a book, a kite, or a puzzle. Mia did not wrap the book. Leo wrapped the kite. Ava did not wrap the puzzle. Who wrapped each gift?

Mia: puzzle. Leo: kite. Ava: book. With the kite taken, Ava must have the book, so the puzzle goes to Mia.

2. Order the ornaments

Place a bell, a star, a snowflake, and a bow in four positions. The bell is immediately before the star. The bow comes before the bell. The snowflake comes after the star. What is the order?

Bow, bell, star, snowflake. The bell and star are a pair. One object must come before them and one after them.

3. Find the light colors

The porch, tree, and window each have a different light color: red, gold, or white. The tree has gold. The porch is not white. Which color is in each place?

Porch: red. Tree: gold. Window: white. The porch cannot be white or gold. This leaves white for the window.

4. Count the uneven stacks

Three stacks hold 29 paper cups. The blue stack has twice as many as the white stack. The red stack has 5 more than the white stack. How many are in each?

White: 6. Red: 11. Blue: 12. Set aside the 5 extra cups, then divide the remaining 24 among four equal groups.