

Level 2 - Count Arithmetic

Question: You are presented with a visual reasoning puzzle consisting of a 3×3 grid of images with one image missing in the bottom-right corner of the grid.

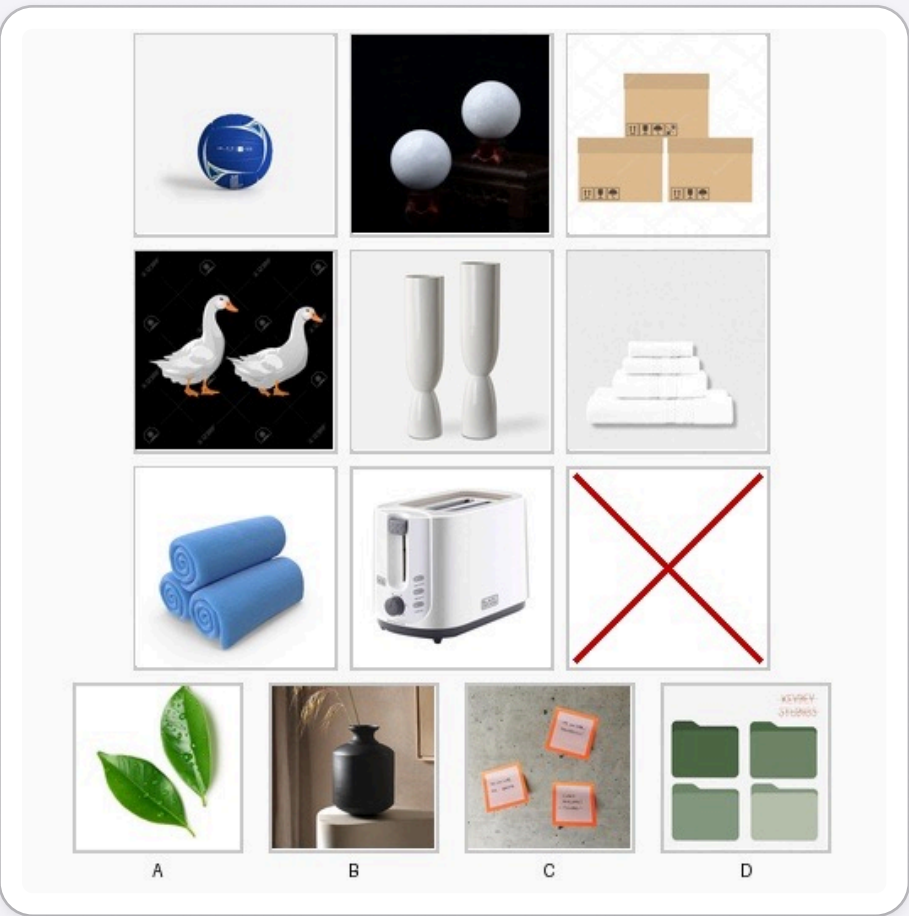
Below the grid are four candidate options, labeled A, B, C, and D, arranged horizontally from left to right. Exactly one option correctly completes the grid.

Task: 1. The logical relationship between images is defined within each row, and the same rule or transformation pattern applies consistently across all rows in the grid; 2. Study the grid and observe how the number of elements changes, repeats, or follows a progression within each row; 3. Identify the option that best continues this numerical rule and correctly completes the grid.

In your reply, follow this format exactly:

Reasoning: Describe the main rule or pattern and explain why your answer fits it.

Answer: [A, B, C, or D]



Ground Truth: D ✓

GPT-5-Thinking

Reasoning: Across each row, the number of items increases by one from left to right, and each row starts one higher than the row above it:

- Row 1: 1 → 2 → 3
- Row 2: 2 → 3 → 4
- Row 3: 3 → 4 → 5 (missing).

Among the options, D is the only one that represents five items in the square (five green tiles), so it completes the 3,4,5 progression in the last row.

Wrong reasoning with correct answer

Model Answer: D ✓

Rule misidentification (count): the model guesses the correct option by matching an approximate 1–2–3 / 3–4–5 progression, but fails to detect the true within-row addition rule and miscounts the elements on some images within the grid.