Choosing fair comparisons

6 practice questions

1. You want the longest ribbon. What should you line up first?

Use a shared starting point.

Answer: One end of each ribbon.

2. You want the lighter toy. Which tool helps: a balance or a small cup?

Lighter describes mass.

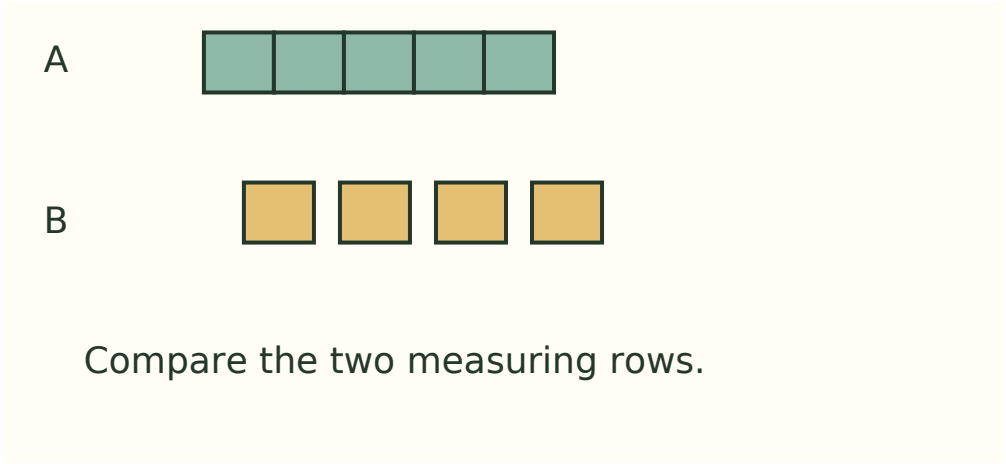
Answer: A balance.

3. You want the container that holds most. Which unit helps: equal cupfuls or pencil lengths?

Cupfuls compare capacity.

Answer: Equal cupfuls.

4. Use the picture. Which row measures fairly, A or B? Explain.



Row A has equal units without gaps.

Row B leaves gaps between the blocks.

Answer: A. The equal blocks touch end to end.

5. A block row overlaps at two places. What must you fix?

Each unit should cover a new part of the length.

Answer: Place the blocks end to end without overlaps.

6. A child says a tall empty bottle holds more than a short wide bottle just because it is taller. What would you suggest?

Height alone does not show the total capacity.

Answer: Check by filling each with the same cup, or compare by careful pouring.