LESSON MAKER PRO

Fill It Up

Measure two containers with one small cup, then compare their capacities.

GRADE 1 · 1.MG.1.a.iii

1.MG.1.a.iii "Use nonstandard units to measure the: volumes of two containers and compare the measurements using the terms more, less, or the same as."

NAME _____ DATE _____

COMPARE VOLUME

Use the same-size scoops or cubes for both containers. More units means more volume. The same number of units means the same volume.

WORKED EXAMPLE

A red cup holds 5 cubes. A blue cup holds 2 cubes. Which cup holds more?

1. Red cup: 5 cubes.
2. Blue cup: 2 cubes.
3. 5 is more than 2.

Answer: The red cup holds more.

PRACTICE 4 problems

1 A toy bucket holds 4 small scoops. A ball cup holds 1 small scoop. Which holds more?

ANSWER _____

2 A fish bowl and a pet dish each hold 3 little cups. Do they hold more, less, or the same as each other?

ANSWER _____

3 A juice box holds 6 cube-cups. A lunch tub holds 4 cube-cups. Which holds less?

ANSWER _____

4 A crayon can holds 1 scoop. A paint pot holds 6 scoops. The crayon can holds ___ than the paint pot.

ANSWER _____

APPLY IT Show your work

1 At the sand table, Jo fills a pail with 7 small scoops. She fills a shell cup with 4 small scoops. Which holds more?

WORK SPACE

ANSWER _____

2 At a picnic, Kai fills two snack tubs. Each tub holds 8 little cups. Do the tubs hold more, less, or the same as each other?

WORK SPACE

ANSWER _____

3 With your teacher, measure real containers A and B. Use the SAME small cup each time. Fill the cup to its marked line with water; pour and count full cups into A up to its marked fill line. Empty A. Repeat for B. Record: A holds ___ cups; B holds ___ cups. A holds ___ (more, less, or the same as) B. Tell how your counts support the comparison.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Nia says a tall bottle holds more. The bottle holds 4 cubes. A wide jar holds 6 cubes. Is Nia correct? Explain.

WORK SPACE AND ANSWER

Fill It Up

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy bucket holds 4 small scoops. A ball cup holds 1 small scoop. Which holds more?	**The toy bucket holds more.**
2	A fish bowl and a pet dish each hold 3 little cups. Do they hold more, less, or the same as each other?	**the same as**
3	A juice box holds 6 cube-cups. A lunch tub holds 4 cube-cups. Which holds less?	**The lunch tub holds less.**
4	A crayon can holds 1 scoop. A paint pot holds 6 scoops. The crayon can holds ___ than the paint pot.	**less**

PART 2 · APPLY IT

1. **The pail holds more.** Compare 7 scoops and 4 scoops. Since 7 is more than 4, the pail holds more.
2. **the same as** Both tubs hold 8 little cups. The amounts are the same.
3. **Answers depend on the measured containers.** Before class, provide two unbreakable containers A/B, one small cup with a fill line, water and a spill tray. Precheck and mark container fill levels at whole numbers of this cup. Supervise pouring; children fill/count the same cup to its line for both containers. Record actual counts and the matching comparison; do not supply counts in advance. Accept adult recording of oral counts.

CHALLENGE

No. The wide jar holds more because 6 cubes is more than 4 cubes.

Accept "same" for "the same as." For the challenge, accept any explanation that compares 6 cubes to 4 cubes. For Apply 3, require actual filling and counting with the same marked cup. Check each cup is full to the line and each container stops at its marked line. If A count > B count, accept more; if lower, less; if equal, the same as. Observe the method and count explanation; a guessed comparison alone is incomplete.