

## 5.NF.A Measuring Cups

### Task

Lucy has measuring cups of sizes 1 cup,  $\frac{1}{2}$  cup,  $\frac{1}{3}$  cup, and  $\frac{1}{4}$  cup. She is trying to measure out  $\frac{1}{6}$  of a cup of water and says, "If I fill up the the  $\frac{1}{2}$  cup and then pour that into the  $\frac{1}{3}$  cup until it is full, there will be  $\frac{1}{6}$  of a cup of water left."

- Is Lucy's method to measure  $\frac{1}{6}$  of a cup of water correct? Explain.
- Lucy wonders what other amounts she can measure. Is it possible for her to measure out  $\frac{1}{12}$  of a cup? Explain.
- What other amounts of water can Lucy measure?



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