



















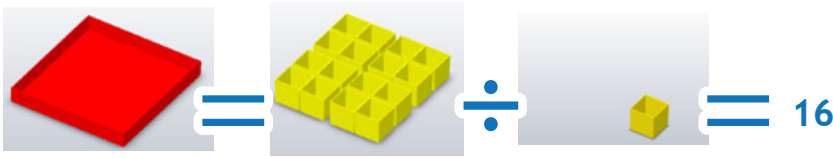




**Problem #1**

We have one gallon of ice cream. How many one cup servings of ice cream do we have?

$$1 \div \frac{1}{16} = 16$$



**Problem #2**

We have  $\frac{3}{4}$  gallons of milk. We need  $\frac{1}{8}$  gallon of milk for our soup recipe. How many times can we make our soup recipe before we run out of milk?

$$\frac{3}{4} \div \frac{1}{8} =$$

## Stage 8: Creativity and Synthesis

### Using Higher Order Thinking: Challenge Activity

Have your students study the models and the actual containers from the recycling. Let them pick a particular size. Give your students some laminated cardstock, strong tape, rulers, and scissors. Challenge them to construct a net for a particular container size that is different in structure but not in volume from the model and the recycling materials. For example, ask them to use the cardstock to build a quart, pint, half gallon or cup. Allow the students to use the measurements from the model or the recycling to help them in their task. They can use volume calculations from the interior of the model to help them design their own container for that measurement. Volume = length x height x width. Once the containers are built, they should be able to use foam or rice to determine the accuracy of their measurement devices.

Variations in the height of the containers are due to the volume occupied by the plastic material.

Enjoy working with Fraction Measurement Set!



Part # SI48360 © Dr. Mary Kay Bacallao  
Patent Pending

Consistent with NCTM and CCMS Principles and Standards  
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