



# Weight and Capacity Measurements

Let's solve problems about weight and about capacity.

## Warm-up

### Number Talk: A Lot of Thousands

Find the value of each expression mentally.

- $1,200 + 900$
- $12,500 + 9,000$
- $13,000 + 9,900$
- $130,000 + 99,000$



## Activity 1

### Milk and Mango Lassi

1. Here are 3 true statements about this jug of milk.

- This jug contains 1 gallon of milk.
- This jug contains 4 quarts of milk.
- This jug contains 16 cups of milk.

Complete each statement so that it is true:

- One gallon is \_\_\_\_\_ times as much as 1 quart.
- One gallon is \_\_\_\_\_ times as much as 1 cup.
- One quart is \_\_\_\_\_ times as much as 1 cup.



2. For a potluck party, Priya and 3 other relatives are bringing *mango lassi* (MAYNG-goh LAH-see).

- Who prepared the most mango lassi?  
Explain or show your reasoning.

| guest   | amount of lassi |
|---------|-----------------|
| Priya   | 10 cups         |
| uncle   | 3 quarts        |
| cousin  | 8 cups          |
| grandma | 2 gallons       |

- How many cups of lassi did all the guests bring?



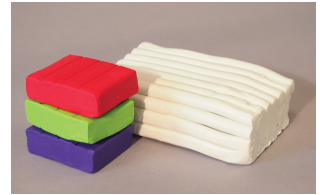
- Complete this sentence: Priya's grandma made \_\_\_\_\_ times as much lassi as Priya's cousin. Show how you know.

## Activity 2

### Clay for Art Class

At a craft store, clay is sold in packs of different sizes: 1 pound, 24 ounces, 3 pounds, and 5 pounds.

An art teacher needs 120 ounces of clay for her class.



1. Would she have enough clay if she bought each of the following combinations? Explain or show your reasoning.

|   | 1-pound pack | 24-ounce pack | 3-pound pack | 5-pound pack |
|---|--------------|---------------|--------------|--------------|
| A | 1            |               | 1            |              |
| B | 1            | 1             | 1            | 1            |
| C |              | 1             | 2            |              |

2. Decide if each statement is true or false. Explain or show your reasoning.
  - a. A 3-pound pack weighs 2 times as much as a 24-ounce pack.
  - b. If we combine a 1-pound pack, a 3-pound pack, and a 5-pound pack, we'd have 6 times as much clay as what's in a 24-ounce pack.