

Lesson 14: Weight and Capacity Measurements

- Let's solve problems about weight and capacity.

Warm-up: Number Talk: Lots of Thousands

Find the value of each expression mentally.

- $1,200 + 900$

- $12,500 + 9,000$

- $13,000 + 9,900$

- $130,000 + 99,000$

14.1: Milk and Mango Lassi

1. Here are three 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:

- a. One gallon is _____ times as much as 1 quart.
 - b. One gallon is _____ times as much as 1 cup.
 - c. One quart is _____ times as much as 1 cup.
2. For a potluck party, Priya and three other relatives are bringing mango lassi.

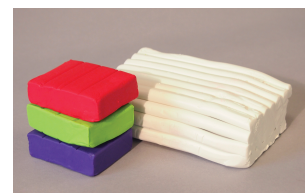


guest	amount of lassi
Priya	10 cups
Uncle	3 quarts
Cousin	8 cups
Grandma	2 gallons

- a. Who prepared the most mango lassi? Explain or show your reasoning.
- b. How many cups of lassi did all the guests bring?
- c. Complete this sentence: Priya's grandma made _____ times as much lassi as Priya's cousin. Show how you know.

14.2: 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
Combo A	1		1	
Combo B	1	1	1	1
Combo C		1	2	

2. Decide if each statement is true or false. Be prepared to 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.