PERIOD

Unit 3, Lesson 4: Converting Units

1. Priya's family exchanged 250 dollars for 4,250 pesos. Priya bought a sweater for 510 pesos. How many dollars did the sweater cost?

	pesos	dollars	
>10	4,250	250	=10
1	425	25):25
25	17	1	12
43 4	, 51	3	1×3
10	510	30	1210

- 2. There are 3,785 milliliters in 1 gallon, and there are 4 quarts in 1 gallon. For each question, explain or show your reasoning.
 - a. How many milliliters are in 3 gallons? 11,355 mL

b. How many milliliters are in 1 quart?

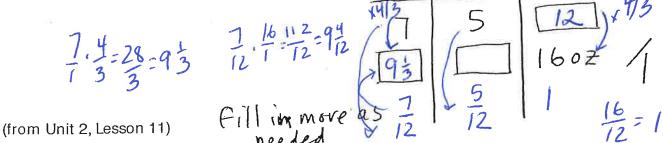
3. Lin knows that there are 4 quarts in a gallon. She wants to convert 6 quarts to gallons, but cannot decide if she should multiply 6 by 4 or divide 6 by 4 to @nd her answer. What should she do? Explain or show your reasoning. If you get stuck, consider drawing a double number line or using a table. 6 quarts is MORE than Igallon so 6=4=1= or 1/2 gallons

4. Tyler has a baseball bat that weighs 28 ounces. Find this weight in kilograms and in grams. (Note: 1 kilogram ≈ 35 ounces)

5. Identify whether each unit measures length, volume, or weight (or mass).

PERIOD DATE NAME i. Kilogram Weight/Mass j. Teaspoon Volume Volume e. Liter a. Mile f. Gram b. Cup k. Milliliter c. Pound h. Yard Length d. Centimeter Length (from Unit 3, Lesson 1) part

6. A recipe for trail mix uses 7 ounces of almonds with 5 ounces of raisins. (Almonds and raisins are the only ingredients.) How many ounces of almonds would be in a one-pound bag of this trail mix? Explain or show your reasoning.



7. An ant can travel at a constant speed of 980 inches every 5 minutes.

a. How far does the ant travel in 1 minute?

196 inches

b. At this rate, how far can the ant travel in 7 minutes?

1,372 in ches (from Unit 2, Lesson 9)