Lesson 15 Practice Problems

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
4,250	250
	25
	1
	3
510	

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?

   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 find 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.

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).

   ○ Mile   ○ Liter   ○ Kilogram

   ○ Cup   ○ Gram   ○ Teaspoon

   ○ Pound   ○ Pint   ○ Milliliter

   ○ Centimeter   ○ Yard

   (From Unit 2, Lesson 13.)

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.

   (From Unit 2, Lesson 8.)

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?

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

   (From Unit 2, Lesson 6.)