### 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
 |  |

1. There are 3,785 milliliters in 1 gallon, and there are 4 quarts in 1 gallon. For each question, explain or show your reasoning.
	1. How many milliliters are in 3 gallons?
	2. How many milliliters are in 1 quart?
2. 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.
3. Tyler has a baseball bat that weighs 28 ounces. Find this weight in kilograms and in grams. (Note: 1 kilogram $≈$ 35 ounces)
4. Identify whether each unit measures length, volume, or weight (or mass).
	* Mile
	* Cup
	* Pound
	* Centimeter
	* Liter
	* Gram
	* Pint
	* Yard
	* Kilogram
	* Teaspoon
	* Milliliter
* (From Unit 2, Lesson 13.)
1. 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.)
1. An ant can travel at a constant speed of 980 inches every 5 minutes.
	1. How far does the ant travel in 1 minute?
	2. At this rate, how far can the ant travel in 7 minutes?
* (From Unit 2, Lesson 6.)



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