### Lesson 4 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 3, Lesson 1.)

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 11.)

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 9.)



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