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Grade 4, Unit 5, Section B: Additional Practice Problems

1. a. An Andean condor has a wingspan of about 3 meters. What is that length in centimeters?

_____ centimeters

- b. A puffin has a wingspan of about 0.5 meters. What is that length in centimeters?

_____ centimeters

(From Unit 5, Lesson 7.)

2. a. At a state park, Lin is hiking on a trail that is 9 kilometers long. How many meters long is the trail? Explain your reasoning.

_____ meters

- b. Another trail in the park is 7,500 meters long. Is this trail longer or shorter than the trail Lin is on? Explain your reasoning.

(From Unit 5, Lesson 8.)

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3. Determine whether each statement is true or false, based on if the measurements are equivalent or not. Select the correct answer.

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|--|------|-------|
| a. A pitcher of juice holds 2 liters, or 200 milliliters. | True | False |
| b. A cantaloupe weighs 1.3 kilograms, or 1,300 grams. | True | False |
| c. A can of soup contains 350 milliliters, or 0.35 liters. | True | False |

(From Unit 5, Lesson 9.)

4. Kiran is using clay for an art project. He has 3 blocks of clay that weigh 750 grams each. Does Kiran have more or less than 2 kilograms of clay? Explain your reasoning.

(From Unit 5, Lesson 10.)

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5. a. Priya's dog weighs 12 pounds. How many ounces is that? Show or explain your reasoning.

_____ ounces

- b. Noah's guinea pig weighs $2\frac{1}{2}$ pounds. How many ounces is that? Show or explain your reasoning.

_____ ounces

(From Unit 5, Lesson 11.)

6. Complete the sentences below.

- a. Jada has a playlist of songs that is 240 minutes long, which is the same as _____ hours.

- b. Jada's favorite song is 2 minutes and 45 seconds long, which is the same as _____ seconds.

- c. Jada listened to music for 112 hours, which is the same as _____ minutes.

- d. The last song on Jada's playlist is 540 seconds long, which is the same as _____.

(From Unit 5, Lesson 12.)

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7. Han has measured the distance from his house to several locations. Use the clues to find each distance in meters and kilometers. Write your answers in the table.

The library is twice as far as the park.
 The school is 5 times as far as Tyler's house.
 The library is 3 times as far as Elena's house.
 The farthest distance is 3,000 meters.

Location	meters	kilometers
School		2.5
Library		
Park		
Tyler's house		
Elena's house		

(From Unit 5, Lesson 13.)

8. EXPLORATION

Mai has several different containers of water. She wants to drink at least 4 and no more than 5 liters of water. What is a possible combination of containers she could use if she only can bring at most one of each size?

2.5 liters	3,000 milliliters	500 milliliters	1 liter	3,500 milliliters
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