

## Solving Word Problems Masses & Volumes

- 1** The female arctic wolf in the zoo weighs 74 kg. The female black bear weighs 121 kg. How much more does the female bear weigh?
  
- 2** The zoo-keeper said that a river otter weighs 3 times as much as a rabbit. If an average rabbit weighs 5 kg how much would a river otter weigh?
  
- 3** The zoo-keeper has a bin of 24 kg of food for the black bear. The bear eats about 4 kg of food a day. How many days will the food last?
  
- 4** An arctic wolf drinks about half the water a black bear does. If the bear drinks 8.2 liters of water each day, how much water does an arctic wolf drink?
  
- 5** The zoo has to plan a new habitat for 6 raccoons. Each raccoon weighs about 12 kg and eats about 45 grams of food per day. How much food total should she prepare for the raccoons' first day at the zoo?



NAME \_\_\_\_\_



## Set D7 ★ Independent Worksheet 1



### INDEPENDENT WORKSHEET

#### Word Problems with Masses

Choose at least 3 of the problems below to solve in your journal. Record each problem number, then show your thinking using a visual model and equation.

g = gram

kg = kilogram

1 kilogram = 1000 grams

**1** A duck weighs 743 g. A kingfisher weighs 148 g. What is the combined weight of these two birds?

**2** A piglet weighs about 90 kg. How much do four piglets weigh?

**Word Problems with Masses** (cont.)

**3** Gretchen's cat weighs 4 kg. Her dog weighs 31 kg. How much heavier is the dog than the cat?

**4** Juan had a bag containing some bird seed. He added 130 grams of seed to the bag and then it weighed 375 grams. How heavy was the bag of seed to begin with?

**5** Brad loaded two sacks of potatoes into a box. The total weight of the two sacks is 309 kg. One sack weighs 67 kg. What is the weight of the other sack?

**6** A grocer receives a shipment of oranges weighing 32 kg. He divides the oranges equally among four small tubs. Each tub of oranges weighs the same amount. How many kilograms of oranges are in each tub?

NAME \_\_\_\_\_



## Set D7 ★ Independent Worksheet 2



### INDEPENDENT WORKSHEET

#### Word Problems with Volumes

Choose at least 3 of the problems below to solve in your journal. Record each problem number, then show your thinking using a visual model and equation. Liters measure liquid volume. Juice, milk and water are often measured in cups, pints, quarts and gallons but can also be measured in liters.

l = liter

ml = milliliter

1 liter = 1000 milliliters

**1** Kale's family loves orange juice. They drink 3 cartons of juice per week. A carton holds 1.75 liters. How much juice does Kale's family drink each week?

**2** Every morning a farmer fills a water tank that holds 21 liters of water. During the day his lambs drink all the water in the tank. If each lamb drinks about 3 liters of water, how many lambs are there?

**Word Problems with Volumes** (cont.)

**3** A goat drinks about 5 liters of water every day. If a rancher has a water tank that holds 60 liters of water for his six pet goats, how many days will the water last?

**4** A thermos of hot cocoa holds 500 ml. After one cup is poured, 235 ml of hot cocoa is left in the thermos. How much cocoa was poured into the cup?

**5** Kaitlynn's fish tank has a crack in it. She quickly removes 13 liters of water from the tank. If there are still 15 liters left, how much water was in the tank before Kaitlynn started to empty it?

**6** The Fisher family ate a half-gallon of ice cream. (A half gallon is equal to 8 cups.) If the mom ate 2 cups, and each of the 3 children ate 1 cup, how many cups of ice cream did the dad eat?