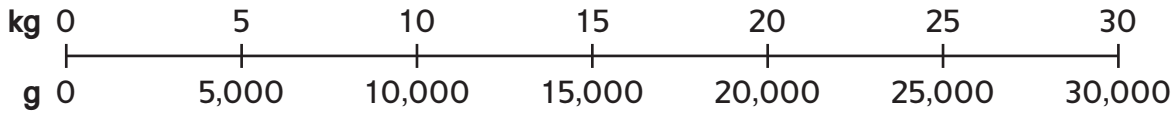


Solving Metric Mass Problems

Lesson 4-7

DATE

TIME



Complete the two-column tables.

1

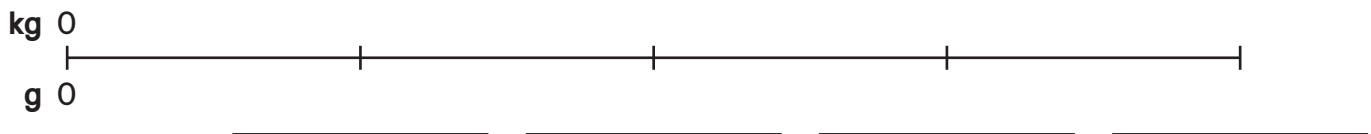
Kilograms (kg)	Grams (g)
5	5,000
9	
	12,000
18	
22	
	28,000

2

Kilograms (kg)	Grams (g)
1.5	1,500
	3,000
4.5	
6.5	
7.5	
	8,500

Solve these problems. Fill in the missing numbers on the measurement scale to help you.

- 3 A deer weighs 13 kilograms, and a boa constrictor weighs 17 kilograms. About how many grams heavier is the boa constrictor than the deer?



Answer: _____ g

- 4 Todd and Jorge took their dogs to the vet. Todd's dog, Duke, weighed 9 kilograms. Jorge's dog, Bruiser, weighed 2 times as much as Duke. About how many grams did Bruiser weigh?



Answer: _____ g

Solving Metric Mass Problems

(continued)

Lesson 4-7

DATE

TIME

Solve. Use a diagram or measurement scale, if helpful.

- 5 Tarek bought 3 kg of hamburger, 5 kg of hot dogs, and 2 kg of steak for a barbecue. How many grams of meat did he buy?

Answer: _____ g

- 6 Ellen and Jim are checking in at the airport. Ellen's suitcase weighs 25,000 grams. Together, the weight of Jim and Ellen's suitcases is 49 kilograms. How many grams does Jim's suitcase weigh?

Answer: _____ g

- 7 Buzz's Bike Shop received a shipment last week. Three bicycles each had a mass of 10 kg. Four other bikes each had a mass of 12 kg. All seven of the new bikes had baskets that each had a mass of 1 kg. How many grams total were in the shipment?

Answer: _____ g

- 8 Four schools had a newspaper recycling drive last week. The following are the number of kilograms each school recycled. Decatur: 140 kg; Boone: 125 kg; Hamilton: 190 kg; Greeley: 164 kg. How many grams of newspaper were recycled in all?

Answer: _____ g

- 9 A scientist weighed out chemicals. She needed 550 g of sodium and 450 g of cobalt. How many kilograms of chemicals did she need in all?

Answer: _____ kg