

Name _____

Date _____

Solve.

1. Jocelyn borrowed 3.75 kg of flour from her grandmother to bake 3 batches of cookies and 2 cakes. Each cookie recipe called for 225 grams of flour. Each cake recipe needed 1.2 kg of flour. After baking, how much flour was Jocelyn able to return to her grandmother?
2. The new athletic facility on the downtown campus measures 0.74 km by 0.4 km. How many square meters is the facility?
3. It is recommended that athletes drink a minimum of 0.24 L of water for every 20 minutes of athletic activity. John plays tennis for 3 hours. His water bottle holds 1,500 mL. Will he have enough water to meet the minimum requirement? If so, how much water will he have left? If not, what is the least amount of water he will need to put in his bottle when it is empty? Express your answer in liters.

4. A Rottweiler gave birth to 3 puppies. The first puppy weighed 5.1 kg. The second weighed 206 g less than the first. The third puppy weighed 0.2 kg more than the second.
- What is the total weight of the litter in grams?
 - How much more did the heaviest puppy weight than the lightest one?
 - The mother weighed 4 times the total weight of her litter. What was her weight in kilograms?
5. A courier charges \$6.25 to ship a 2 lb-package. For each ounce over 2 lb, they charge an additional \$0.35 per ounce.
- How much would it cost to ship a package weighing 4 lb 6 oz?
 - Which would be less expensive? Sending two packages weighing 2 lb 4 oz each, or combining them into one package weighing 4 lb 8 oz? What is the difference in price?