Lesson 2 Practice Problems

1. Twenty pounds of strawberries are being shared equally by a group of friends. The equation $20 \div 5 = 4$ represents the division of strawberries.

   a. If the 5 represents the number of people, what does the 4 represent?

   b. If the 5 represents the pounds of strawberries per person, what does the 4 represent?

2. A sixth-grade science club needs $180 to pay for the tickets to a science museum. All tickets cost the same amount.

   What could $180 \div 15$ mean in this situation? Describe two different possible meanings of this expression. Then, find the quotient and explain what it means in each case.

3. Write a multiplication equation that corresponds to each division equation.

   a. $10 \div 5 = ?$

   b. $4.5 \div 3 = ?$

   c. $\frac{1}{2} \div 4 = ?$

4. Write a division or multiplication equation that represents each situation. Use a "?" for the unknown quantity.

   a. 2.5 gallons of water are poured into 5 equally sized bottles. How much water is in each bottle?

   b. A large bucket of 200 golf balls is divided into 4 smaller buckets. How many golf balls are in each small bucket?

   c. Sixteen socks are put into pairs. How many pairs are there?

5. Find a value for a that makes each statement true.

   a. $a \div 6$ is greater than 1

   b. $a \div 6$ is equal to 1

   c. $a \div 6$ is less than 1

   d. $a \div 6$ is equal to a whole number

(From Unit 4, Lesson 1.)

6. Complete the table. Write each percentage as a percent of 1.

fraction	decimal	percentage
$\frac{1}{4}$	0.25	25% of 1
	0.1	
		75% of 1
$\frac{1}{5}$		
	1.5	
		140% of 1

(From Unit 3, Lesson 14.)

7. Jada walks at a speed of 3 miles per hour. Elena walks at a speed of 2.8 miles per hour. If they both begin walking along a walking trail at the same time, how much farther will Jada walk after 3 hours? Explain your reasoning.

(From Unit 3, Lesson 8.)