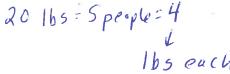
DATE **PERIOD** NAME

## Unit 4, 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.
  - what does the 4 represent?

a. If the 5 represents the number of people, b. If the 5 represents the pounds of strawberries per person, what does the 4



20:-5165 = 4 snumber of

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 context? Describe two interpretations of the expression. Then, find the quotient and explain what it means in each interpretation.

2. 180 - 15 = \$12 kids Per ticket

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

a.  $10 \div 5 = ?$ 

b.  $4.5 \div 3 = ?$ 

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

4.5 ÷ 3 = ? c.  $\frac{1}{2}$  ÷ 4 = ? 3 × ? = 4.5  $4 \times ? = \frac{1}{2}$  OR 3 × 1.5 = 4.5  $4 \times \frac{1}{8} = \frac{1}{2}$ 

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

2,5991 - 5 bottles = ? 94110ns

b. A large bucket of 200 golf balls is divided into 4 smaller buckets. How many golf balls are in each small bucket?  $200 \div 4 = ?9b$ 

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

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

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anything

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anything less than b

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

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

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

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d.  $a \div 6$  is equal to a whole number m + 11 plus cf b6,12,18,24 ....

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

	fraction	decimal	percentage
	$\frac{1}{4}$	0.25	25% of 1
.1	10	0.1	10% of 1
10	3.4	.75	75% of 1
	<u>1</u> 5	,20	20% of 1
	123	1.5	150%
	14 12	1.4	140% of 1

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.

J 3 mph
$$\frac{m |hour}{3|1}$$

$$\frac{3}{9} \frac{1}{3}$$

E 2,8 mph