NAME Monday DATE 1/14 PERIOD

Unit 4, Lesson 2: Meanings of Division

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?

   pounds of strawberries each

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

   how many people get strawberries /2

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.

   15 kids pay $12 each or 12 kids pay $15 /1

3. Write a multiplication equation that corresponds to each division equation. don't need answers

   a. $10 \div 5 = ?$ 2
   $5 \times ? = 10$
   $5 \times 2 = 10$

   b. $4.5 \div 3 = ?$ 1.5
   $3 \times ? = 4.5$
   $3 \times 1.5 = 4.5$

   c. $\frac{1}{4} \div 4 = ?$ $\frac{1}{8}$
   $4 \times ? = \frac{1}{2}$
   $4 \cdot \frac{1}{8} = \frac{1}{2}$ /3

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?

   $2.5 \div 5 = ?$

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

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

   $16 \times 2 = ?$ /3

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

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

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

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

d. $a \div 6$ is equal to a whole number any multiple of 6 6, 12, 18 .... /4

(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
$\frac{1}{10}$	0.1	10%
$\frac{75}{100} = \frac{3}{4}$	.75	75% of 1
$\frac{1}{5}$ $\frac{2}{10}$	.2	20%
$1\frac{5}{10}$ $1\frac{1}{2}$	1.5	150%
$1\frac{4}{10}$ $1\frac{2}{5}$	1.4	140% of 1

/10

(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)

/1

Jada

3 miles / 1 hour

×3 (9 miles / 3 hours) ×3

Elena

2.8 miles / 1 hour

×3 (8.4 / 3 hours) ×3

$\overset{8}{9}.\overset{1}{0}$

$-\ 8.4$

0.6 miles farther