

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Complete the sentences with the correct number of units, and then complete the equation.

a. 3 groups of \_\_\_\_\_ tenths is 1.5.  $1.5 \div 3 = \underline{\hspace{2cm}}$

b. 6 groups of \_\_\_\_\_ hundredths is 0.24.  $0.24 \div 6 = \underline{\hspace{2cm}}$

c. 5 groups of \_\_\_\_\_ thousandths is 0.045.  $0.045 \div 5 = \underline{\hspace{2cm}}$

2. Complete the number sentence. Express the quotient in units and then in standard form.

a.  $9.36 \div 3 = \underline{\hspace{2cm}}$  ones  $\div 3 + \underline{\hspace{2cm}}$  hundredths  $\div 3$   
=  $\underline{\hspace{2cm}}$  ones +  $\underline{\hspace{2cm}}$  hundredths  
=  $\underline{\hspace{2cm}}$

b.  $36.012 \div 3 = \underline{\hspace{2cm}}$  ones  $\div 3 + \underline{\hspace{2cm}}$  thousandths  $\div 3$   
=  $\underline{\hspace{2cm}}$  ones +  $\underline{\hspace{2cm}}$  thousandths  
=  $\underline{\hspace{2cm}}$

c.  $3.55 \div 5 = \underline{\hspace{2cm}}$  tenths  $\div 5 + \underline{\hspace{2cm}}$  hundredths  $\div 5$   
=  $\underline{\hspace{2cm}}$   
=  $\underline{\hspace{2cm}}$

d.  $3.545 \div 5 =$  \_\_\_\_\_  
= \_\_\_\_\_  
= \_\_\_\_\_

3. Find the quotients. Then, use words, numbers, or pictures to describe any relationships you notice between each pair of problems and quotients.

a.  $21 \div 7 =$  \_\_\_\_\_       $2.1 \div 7 =$  \_\_\_\_\_

b.  $48 \div 8 =$  \_\_\_\_\_       $0.048 \div 8 =$  \_\_\_\_\_

4. Are the quotients below reasonable? Explain your answers.

a.  $0.54 \div 6 = 9$

b.  $5.4 \div 6 = 0.9$

c.  $54 \div 6 = 0.09$

5. A toy airplane costs \$4.84. It costs 4 times as much as a toy car. What is the cost of the toy car?
6. Julian bought 3.9 liters of cranberry juice, and Jay bought 8.74 liters of apple juice. They mixed the two juices together, and then poured them equally into 2 bottles. How many liters of juice are in each bottle?

## Answer Key

1.
  - a. 5; 0.5
  - b. 4; 0.04
  - c. 9; 0.009
2.
  - a. 9; 36; 3; 12; 3.12
  - b. 36; 12; 12; 4; 12.004
  - c. 35; 5; 7 tenths + 1 hundredth; 0.71
  - d.  $35 \text{ tenths} \div 5 + 45 \text{ thousandths} \div 5$ ; 7 tenths+ 9 thousandths; 0.709
3.
  - a. 3; 0.3
  - b. 6; 0.006
4.
  - a. No; explanations will vary; 0.09
  - b. Yes; explanations will vary.
  - c. No; explanations will vary; 9
5. \$1.21
6. 6.32 L