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. $1.5 \div 3 =$ _____

    b. 6 groups of _____ hundredths is 0.24. $0.24 \div 6 =$ _____

    c. 5 groups of _____ thousandths is 0.045. $0.045 \div 5 =$ _____

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

    a. $9.36 \div 3 =$ _____ ones $\div$ 3 + _____ hundredths $\div$ 3

        = _____ ones + _____ hundredths

        = _____

    b. $36.012 \div 3 =$ _____ ones $\div$ 3 + _____ thousandths $\div$ 3

        = _____ ones + _____ thousandths

        = _____

    c. $3.55 \div 5 =$ _____ tenths $\div$ 5 + _____ hundredths $\div$ 5

        = _____

        = _____

    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 ÷ 7 = _____   2.1 ÷ 7 = _____

   b. 48 ÷ 8 = _____   0.048 ÷ 8 = _____

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

   a. 0.54 ÷ 6 = 9

   b. 5.4 ÷ 6 = 0.9

   c. 54 ÷ 6 = 0.09

Lesson 13: Divide decimals by single-digit whole numbers involving easily identifiable multiples using place value understanding and relate to a written method.

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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?

Lesson 13:   Divide decimals by single-digit whole numbers involving easily
identifiable multiples using place value understanding and relate
to a written method.

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