Name _____   Date _____

1. Divide. Show every other division sentence in two steps. The first two have been done for you.

   a. $1.8 \div 6 = 0.3$

   b. $1.8 \div 60 = (1.8 \div 6) \div 10 = 0.3 \div 10 = 0.03$

   c. $2.4 \div 8 = $ _____

   d. $2.4 \div 80 = $ _____

   e. $14.6 \div 2 = $ _____

   f. $14.6 \div 20 = $ _____

   g. $0.8 \div 4 = $ _____

   h. $80 \div 400 = $ _____

   i. $0.56 \div 7 = $ _____

   j. $0.56 \div 70 = $ _____

   k. $9.45 \div 9 = $ _____

   l. $9.45 \div 900 = $ _____

Lesson 24:   Divide decimal dividends by multiples of 10, reasoning about the placement of the decimal point and making connections to a written method.

122

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2. Use place value reasoning and the first quotient to compute the second quotient. Use place value to explain how you placed the decimal point.

   a. $65.6 \div 80 = 0.82$

   $65.6 \div 8 = $ _____

   b. $2.5 \div 50 = 0.05$

   $2.5 \div 5 = $ _____

   c. $19.2 \div 40 = 0.48$

   $19.2 \div 4 = $ _____

   d. $39.6 \div 6 = 6.6$

   $39.6 \div 60 = $ _____

Lesson 24: Divide decimal dividends by multiples of 10, reasoning about the placement of the decimal point and making connections to a written method.

123

3. Chris rode his bike along the same route every day for 60 days. He logged that he had gone exactly 127.8 miles.

   a. How many miles did he bike each day? Show your work to explain how you know.

   b. How many miles did he bike over the course of two weeks?

4. 2.1 liters of coffee were equally distributed to 30 cups. How many milliliters of coffee were in each cup?

Lesson 24:   Divide decimal dividends by multiples of 10, reasoning about the placement of the decimal point and making connections to a written method.

124