Name Additional Practice 6-5 **Another Look! Divide by a Decimal** Find 1.35 ÷ 0.15. **One Way Another Way** $1.35 \div 0.15$ Think multiplication: To find 1.35 ÷ 0.15, use the relationship between multiplication and division. $0.15 \times ? = 1.35$ 15 hundredths \times ? = 135 hundredths ? = 9Use what you know about dividing by whole 1.35 shown in place-value blocks can numbers to divide by be divided into 9 groups of blocks each decimals. showing 0.15. So, $1.35 \div 0.15 = 9$. In 1–4, use what you know about multiplication and division, place value, and partial quotients to divide. **2.** 45.5 ÷ 3.5 **3.** 455 ÷ 35 **1.** 4.55 ÷ 0.35 13 13 13 **4.** Describe the relationship among Problems 1, 2, and 3. Sample answer: The decimal moved the same amount in both the divisor and dividend, and the quotients were the same. In **5–11**, find each quotient. **7.** 0.01)8.64 **5.** 0.32)1.92 **6.** 3.2)19.2 **8.** 0.1)86.4 864 864 6 6 **9.** 0.22)8.8 **10.** 2.2)8.8 **11.** 0.22)88.0 40 L 400

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Topic 6 Lesson 6-5

12. Three friends paid \$26.25 to see a movie. How much		\$26.25		
did each ticket cost? \$8.75	? cost per ticket	?	?	?

- 13. In a timed typing test, Lara typed
 63 words per minute. Estimate the number of words she should be able to type in half an hour. Show your work.
 About 1,800 words;
 30 × 60 = 1,800
- 15. Is the quotient for 41 ÷ 0.8 greater or less than 41? Explain.
 Greater; the divisor is less than 1, so the quotient is greater than the dividend.
- 14. A stack of sheets of tissue paper is about 2.5 inches high. Each sheet is about 0.01 inch thick. How many sheets are in the stack? Show your work.
 250 sheets;
 2.5 ÷ 0.01 = 250 ÷ 1 = 250
- 16. Construct Arguments How does the quotient 10.5 ÷ 1.5 compare to the quotient 105 ÷ 15? Explain.
 Sample answer: The quotients are equal because multiplying both the dividend and divisor by 10 does not change the quotient.
- 17. Number Sense The fence next to the creek near Adam's house leans a little more each year because the bank of the creek is eroding. If the fence leans about 3.7 degrees more each year, estimate how many more degrees the fence will lean after 5 years.
 Sample answer: About 20 degrees
- 18. Higher Order Thinking The Clark family must pay \$2,820 in property tax on their home this year. Their house payment is \$752 per month. What is their payment each month with the tax? Assume that the tax is paid in equal monthly installments.
 \$987 per month

Assessment Practice

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19. Select the expressions that have a quotient of 8.

0.56 ÷ 0.07
 0.56 ÷ 0.7
 5.6 ÷ 0.07



20. Select the expressions that have a quotient of 4.

