

REVIEW: Dividing Multi-Digit Numbers

Name _____

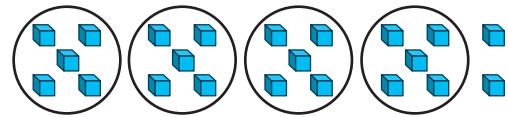
Key Concept and Vocabulary

$$\begin{array}{r} 5 \text{ R}2 \\ 4 \overline{)22} \\ \underline{-20} \\ 2 \end{array}$$

remainder



Visual Model



$$22 \div 4 = 5 \text{ R}2$$

Skill Examples

$$\begin{array}{r} 13 \\ 15 \overline{)195} \\ \underline{15} \\ 45 \\ \underline{-45} \\ 0 \end{array}$$

••• $195 \div 15 = 13$

$$\begin{array}{r} 86 \text{ R}5 \\ 25 \overline{)2,155} \\ \underline{-200} \\ 155 \\ \underline{-150} \\ 5 \end{array}$$

••• $2,155 \div 25 = 86 \text{ R}5$

Application Example

3. Six people together find a treasure worth \$9,300. Each person receives an equal share. How much money does each person get?

$$\$9,300 \div 6 = \$1,550$$

••• Each person gets \$1,550.



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Check your answers at BigIdeasMath.com.

Divide.

4. $56 \div 4 = \underline{\hspace{2cm}}$

5. $132 \div 6 = \underline{\hspace{2cm}}$

6. $44 \div 5 = \underline{\hspace{2cm}}$

7. $845 \div 3 = \underline{\hspace{2cm}}$

8. $6,321 \div 7 = \underline{\hspace{2cm}}$

9. $2,894 \div 9 = \underline{\hspace{2cm}}$

10. $414 \div 46 = \underline{\hspace{2cm}}$

11. $3,082 \div 23 = \underline{\hspace{2cm}}$

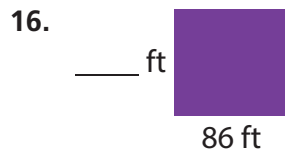
12. $8 \overline{)216}$

13. $12 \overline{)960}$

14. $41 \overline{)567}$

15. $19 \overline{)3,286}$

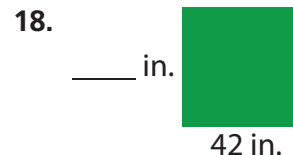
Find the length of the missing side of the rectangle.



Area = 7,912 square feet



Area = 676 square meters



Area = 1,764 square inches

19. **PARTY PUNCH** A punch bowl contains 6 quarts of punch. There are 32 fluid ounces in a quart. How many 4-fluid ounce cups will the punch bowl serve? _____

20. **SHARING THE PROFIT** You and three friends start a small business. The total income is \$1,820 and the total expenses are \$360. You share the profit evenly. How much do each of you get? Explain. _____