

# REVIEW: Dividing Multi-Digit Numbers

Name \_\_\_\_\_

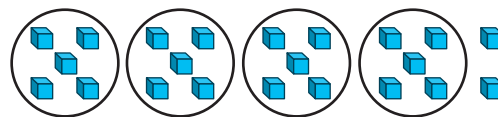
## Key Concept and Vocabulary

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

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 R5

## 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](http://BigIdeasMath.com).

Divide.

4.  $56 \div 4 = 14$

5.  $132 \div 6 = 22$

6.  $44 \div 5 = 8 \text{ R}4$

7.  $845 \div 3 = 281 \text{ R}2$

8.  $6,321 \div 7 = 903$

9.  $2,894 \div 9 = 321 \text{ R}5$

10.  $414 \div 46 = 9$

11.  $3,082 \div 23 = 134$

12.  $8 \overline{) 216}^{27}$

13.  $12 \overline{) 960}^{80}$

14.  $41 \overline{) 567}^{13 \text{ R}34}$

15.  $19 \overline{) 3,286}^{172 \text{ R}18}$

Find the length of the missing side of the rectangle.

16.  $92$  ft 86 ft

Area = 7,912 square feet

17.  $13$  m 52 m

Area = 676 square meters

18.  $42$  in. 42 in.

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? 48 4-fluid oz cups

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. \$365; The profit is  $1,820 - 360 = \$1,460$ . Evenly shared, each person receives  $1,460 \div 4 = \$365$ .