

**Another Look!**Find $5,890 \div 65$.

$$\begin{array}{r}
 90 \\
 65 \overline{)5,890} \\
 \underline{-5,850} \\
 40
 \end{array}$$

589 tens divided into 65 equal groups is 9 tens in each group
 65 groups of 90 = 5,850
 40 40 left over
 $5,890 \div 65 = 90 \text{ R}40$ because $65 \times 90 + 40 = 5,890$.

Additional Practice 5-6

Use Sharing to Divide: Greater Dividends

You can use place-value blocks to model the division if you need help.



In **1–12**, find the quotient. Use place-value blocks or an area model if you need help.

1. $11 \overline{)2,014}$
183 R1

2. $34 \overline{)7,006}$
206 R2

3. $70 \overline{)5,591}$
79 R61

4. $1,620 \div 18$
90

5. $4,400 \div 30$
146 R20

6. $8,899 \div 61$
145 R54

7. $40 \overline{)8,175}$
204 R15

8. $28 \overline{)770}$
27 R14

9. $14 \overline{)1,726}$
123 R4

10. $75 \overline{)688}$
9 R13

11. $29 \overline{)5,123}$
176 R19

12. $17 \overline{)1,699}$
99 R16



- 13. Number Sense** Will the quotient $7,818 \div 25$ be greater than 100 or less than 100? How do you know?

Greater; Sample answer:
 $25 \times 100 = 2,500$, and
 $7,818 > 2,500$, so the quotient will be greater than 100.

- 14. Reasoning** Choose the best estimate for $2,819 \div 13$ from the following:

100 200 500

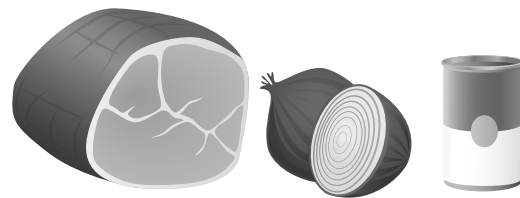
How did you decide?

200; Sample answer:
 $13 \times 100 = 1,300$;
 $13 \times 200 = 2,600$, and
 $13 \times 500 = 6,500$. Since 2,819 is closest to 2,600, the best choice is 200.

- 15.** Jordan bought 1.8 pounds of ham, 2.15 pounds of onions, and 8 cans of soup. What was the total cost before sales tax? Round your answer to the nearest cent.

\$17.42

- 16.** The sales tax for the food Jordan bought is \$0.87. He has a coupon for \$1.75 off any purchase. Use your answer for Exercise 15 to find the final amount Jordan needs to pay. **\$16.54**



Ham \$3.95
per pound

Onions \$0.89
per pound

Soup \$1.05
per can

- 17.** Which quotient will be larger? Explain how you can tell without dividing.

$$3,444 \div 42$$

$$4,368 \div 42$$

The quotient $4,368 \div 42$ will be larger because it has the larger dividend and both divisors are 42.

- 18.** There are 347 students going on a field trip. Each bus holds 44 students. If each bus costs \$95, is the total cost of the buses more than \$1,000? Estimate, then find the exact answer.

No; Estimate: $350 \div 50 = 7$ and
 $7 \times \$100 = \700 . $347 \div 44 = 7 \text{ R}39$,
so 8 buses are needed.
 $8 \times \$95 = \760



Assessment Practice

- 19.** Find $3,384 \div 47$. How can you check the reasonableness of your answer?

72; Sample answer: Use compatible numbers. $3,000 \div 50 = 60$