

**Another Look!**

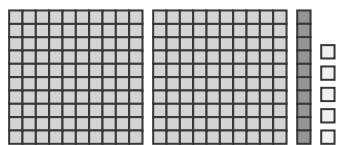
Bo has 215 baseball cards to divide equally among 15 friends. How many cards will each friend get? Will there be any cards left?



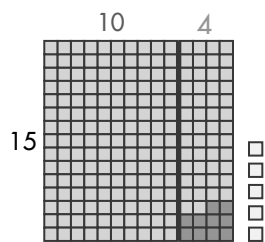
## Additional Practice 5-5

### Use Sharing to Divide: Two-Digit Divisors

Model with place-value blocks.



Regroup the blocks.



$$15 \times 10 = 150$$

$$215 - 150 = 65$$

$$15 \times 4 = 60$$

$$65 - 60 = 5 \text{ left over}$$

14

$$\begin{array}{r} 14 \\ 15 \overline{)215} \\ \underline{-150} \phantom{0} \\ 65 \\ \underline{-60} \phantom{0} \\ 5 \end{array}$$

21 tens  $\div$  15 equal groups = 1 ten in each group  
15 groups of 10 = 150  
65 ones  $\div$  15 equal groups = 4 ones in each group  
15 groups of 4 = 60  
5 cards left over

$$215 \div 15 = 14 \text{ R}5 \text{ because } 15 \times 14 + 5 = 215.$$

Each friend will get 14 cards, with 5 cards left over.

**Leveled Practice** In 1–8, find the quotient.

1.  $\overline{18} \text{ R } \overline{17}$

$$\begin{array}{r} 19 \overline{)359} \\ \underline{-190} \phantom{0} \\ 169 \\ \underline{-152} \phantom{0} \\ 17 \end{array}$$

2.  $\overline{16}$

$$\begin{array}{r} 32 \overline{)512} \\ \underline{-320} \phantom{0} \\ 192 \\ \underline{-192} \phantom{0} \\ 0 \end{array}$$

Remember to compare the remainder to the divisor.



3.  $\overline{17 \text{ R}15}$

$$43 \overline{)746}$$

4.  $\overline{36 \text{ R}8}$

$$22 \overline{)800}$$

5.  $\overline{9 \text{ R}2}$

$$70 \overline{)632}$$

6.  $\overline{12 \text{ R}35}$

$$62 \overline{)779}$$

7.  $\overline{23}$

$$40 \overline{)920}$$

8.  $\overline{11 \text{ R}13}$

$$29 \overline{)332}$$



9. Why can the calculations on the side be thought of as simpler problems? Describe the simpler problems.

$$\begin{array}{r}
 12 \text{ R}13 \\
 80 \overline{)973} \quad \leftarrow 97 \text{ tens} \div 80 \text{ groups} \\
 \underline{-800} \quad \leftarrow 80 \times 1 \text{ ten} \\
 173 \quad \leftarrow 173 \text{ ones} \div 80 \text{ groups} \\
 \underline{-160} \quad \leftarrow 80 \times 2 \text{ ones} \\
 13
 \end{array}$$

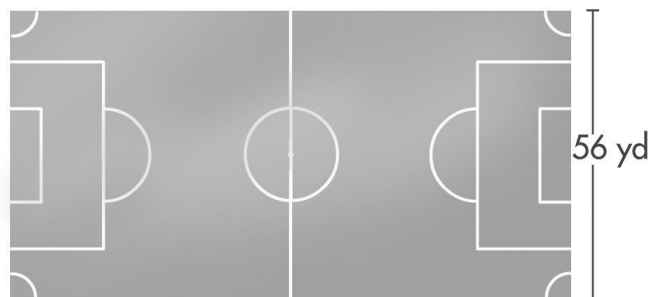
**Sample answer:** Each calculation involves multiplying or dividing smaller numbers instead of dividing a larger number.

10. **Construct Arguments** A county has 88 schools. The county received 992 new computers. Are there enough computers so that each school can get 11 new computers? Explain.

**Yes; Sample answer: I found  $88 \overline{)992}$ . The quotient is 11 R24. Each school gets 11 computers with 24 computers left.**

11. Twin Oaks Soccer Field is a rectangle. The longer side of the field is 108 yards long. What is the perimeter of the field?

**328 yards**



12. **Higher Order Thinking** Liza makes 20 minutes of phone calls each day. Which plan will give Liza enough minutes for June, with between 30 and 50 minutes left? Show your work.

**The Share plan;  $650 - (20 \times 30) = 50$**

13. Mark and his brother signed up for the Catch Up phone plan. They share the minutes every month equally. How many minutes can Mark use each day without going over his share of minutes?

**Mark can use 11 minutes a day.**

**Speed Link Company Phone Plans**

Plan Name	Number of Minutes Per Month
Connect	550
Chat	625
Share	650
Catch Up	700

### Assessment Practice

14. Find an expression that gives a quotient of 16. Write the expression in the box.

Quotient: 16		
<b><math>640 \div 40</math></b>		
$600 \div 40$	$620 \div 40$	$640 \div 40$
$644 \div 40$	$660 \div 40$	$680 \div 40$