

**Verify** Are all the numbers in the “twos” row even or odd? Explain your answer.

**Verify** What do all the numbers in the “fives” row end in?

If a whole number ending in 5 or 0 is divided by 5, there will be no remainder. If a whole number divided by 5 does not end in 5 or 0, there will be a remainder.

**Verify** What do all the numbers on the “tens” row end in?

If a whole number ending in zero is divided by 10, there will be no remainder. If a whole number divided by 10 does not end in zero, there will be a remainder.

### Example 3

Without dividing, decide which two division problems below will have a remainder.

A  $2\overline{)16}$       B  $5\overline{)40}$       C  $10\overline{)45}$       D  $2\overline{)15}$

**Problem C** will have a remainder because 45 does not end in zero. Only numbers ending in zero can be divided by 10 without a remainder.

**Problem D** will have a remainder because 15 is not even. Only even numbers can be divided by 2 without a remainder.

### Lesson Practice

Divide. Write each answer with a remainder.

a.  $5\overline{)23}$

b.  $6\overline{)50}$

c.  $37 \div 8$

d.  $4\overline{)23}$

e.  $7\overline{)50}$

f.  $40 \div 6$

g.  $10\overline{)42}$

h.  $9\overline{)50}$

i.  $34 \div 9$

j. **Analyze** Without dividing, decide which of these division problems will have a remainder.

$10\overline{)60}$      $5\overline{)44}$      $2\overline{)18}$

k. **Verify** Which of these numbers can be divided by 2 without a remainder?

25    30    35

### Written Practice


*Distributed and Integrated*

\*1. **Represent** Draw two horizontal lines, one above the other.  
(12)

**Formulate** For problems 2–4, write an equation and find the answer.

- \*2. At a dinner party, each guest is to receive a bag of small gifts.  
(21) How many gifts should be placed in each bag if there are 8 guests and 32 gifts altogether?

- \*3. Julissa started a marathon, a race of approximately 26 miles. After  
(16) running 9 miles, about how far did Julissa still have to run to finish the race?

- \*4.  **Estimate** The state of Rhode Island has 384 miles of shoreline.  
(11) The state of Connecticut has 618 miles of shoreline. Is 1000 miles a reasonable estimate for the sum of the lengths of the shorelines? Explain why or not.

5.  $56 \div 10$   
(22)

6.  $20 \div 3$   
(22)

7.  $7 \overline{)30}$   
(22)

8.  $3 \times 7 \times 10$   
(18)

9.  $2 \times 3 \times 4 \times 5$   
(18)

10.  $\begin{array}{r} \$394 \\ \times \quad 8 \\ \hline \end{array}$   
(17)

11.  $\begin{array}{r} 678 \\ \times \quad 4 \\ \hline \end{array}$   
(17)

12.  $\begin{array}{r} \$6.49 \\ \times \quad 9 \\ \hline \end{array}$   
(17)

13.  $\frac{63}{7}$   
(20)

14.  $\frac{56}{8}$   
(20)

15.  $\frac{42}{6}$   
(20)

16.  $\begin{array}{r} \$4.08 \\ \times \quad 7 \\ \hline \end{array}$   
(17)

17.  $\begin{array}{r} 3645 \\ \times \quad 6 \\ \hline \end{array}$   
(17)

18.  $\begin{array}{r} 3904 \\ \times \quad 4 \\ \hline \end{array}$   
(17)


19.  $8 \times 0 = 4n$   
(15, 18)

20.  $c - 462 = 548$   
(14)

21.  $\$36.15 - \$29.81$   
(13)

22.  $963 + a = 6000$   
(10)

- \*23. Use words to show how this problem is read:  $4 \overline{)12}$   
(20)

24.  **Verify** Think of an odd number. Multiply it by 2. If the product is divided by 2, will there be a remainder? Explain your answer.  
(2, 22)

25. **Conclude** What are the next three terms in this counting sequence?  
(1, 12)

50, 40, 30, 20, 10, ...

26. Mr. Watkins has 10 quarters. If he gives each of his 3 grandchildren 3 quarters, how much money will he have left?

(22)

27. Compare: 46,208 ○ 46,028

(7)

\*28. How many  $\frac{1}{4}$  circles equal a half circle?

(Inv. 2)

\*29. The fraction  $\frac{1}{4}$  is equivalent to:

(Inv. 2)

a. what decimal?

b. what percent?

30. Seventy-five chairs are to be placed in a large room and arranged in rows of ten. How many chairs will be in the last row?

(22)

## Early Finishers

Real-World Connection

The 129 fifth grade students plan to take a field trip to a local museum. An adult is required for every group of 9 students. How many adults must accompany the students? Write and solve an equation, and then explain your answer.