

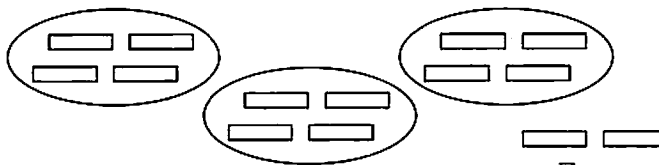


## SKILL 25: Dividing a 2-Digit Dividend by a 1-Digit Divisor

Basic facts can help you divide.

### Example 1

Divide:  $14 \div 3$ .



3 groups of 4 and 2 leftover

$$\begin{array}{r} 4 \text{ R}2 \\ 3 \overline{)14} \\ -12 \\ \hline 2 \end{array}$$

Multiply:  $4 \times 3 = 12$

Subtract. Write 2 as the remainder.

### Example 2

Find  $78 \div 4$ .

Divide the tens.

$$\begin{array}{r} 1 \\ 4 \overline{)78} \\ -4 \\ \hline 3 \end{array}$$

There is one 4 in 7.

Multiply:  $1 \times 4 = 4$ .

Subtract:  $7 - 4 = 3$ .

Compare:  $3 < 4$ .

Bring down the ones.

$$\begin{array}{r} 1 \\ 4 \overline{)78} \\ -4 \\ \hline 38 \end{array}$$

Bring down the 8.

Divide the ones.

$$\begin{array}{r} 19 \text{ R}2 \\ 4 \overline{)78} \\ -4 \\ \hline 38 \\ -36 \\ \hline 2 \end{array}$$

There are nine 4s in 38.

Multiply:  $9 \times 4 = 36$

Subtract:  $38 - 36 = 2$ .

There are 2 ones left over.

Compare:  $2 < 4$ .

Write the remainder.

Check: Multiply:

$$19 \times 4 = 76.$$

Add remainder:

$$76 + 2 = 78.$$

### Guided Practice

Divide.

1.  $\begin{array}{r} \square \text{ R} \square \\ 5 \overline{)49} \\ -45 \\ \hline \square \end{array}$

2.  $\begin{array}{r} \square \square \text{ R} \square \\ 3 \overline{)84} \\ -\square \\ \hline \square \square \\ -\square \square \\ \hline 0 \end{array}$

3.  $\begin{array}{r} \square \square \text{ R} \square \\ 6 \overline{)91} \\ -\square \\ \hline \square \square \\ -30 \\ \hline \square \end{array}$

**SKILL 25: Practice**

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**Divide.**

1.  $3\overline{)41}$

2.  $4\overline{)38}$

3.  $2\overline{)43}$

4.  $3\overline{)78}$

5.  $4\overline{)62}$

6.  $5\overline{)71}$

7.  $3\overline{)25}$

8.  $5\overline{)85}$

9.  $6\overline{)83}$

10.  $5\overline{)65}$

11.  $7\overline{)81}$

12.  $5\overline{)33}$

13.  $3\overline{)80}$

14.  $8\overline{)97}$

15.  $6\overline{)92}$

16.  $2\overline{)98}$

**Solve.**

17. A shipment of 98 magazines arrived at the library in 7 cartons. Each carton contained the same number of magazines. How many magazines were in each carton?

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18. 89 students will be placed on teams of 6 students each. Any remaining students will be listed as alternates.

a. How many complete teams will there be?

\_\_\_\_\_

b. How many students will be alternates?

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**TEST PREP**

19. Mayumi has 72 coins in 3 different purses. Each purse holds the same number of coins. How many coins are in each purse?

*Skill 25***A** 21**C** 26**B** 24**D** 216

20. What is  $70 \times 900$ ?

*Skill 12***F** 1,600**H** 16,000**G** 6,300**J** 63,000