

# **SKILL 31:** Dividing by a 2-Digit Divisor with Zero in the Quotient

These examples show zeros in quotients.

### **Example 1**

Divide: 7,005 ÷ 25.

Estimate the quotient:  $6,000 \div 20 = 300$ .

Since the quotient is close to the estimate, 300, it is reasonable.

### **Example 2**

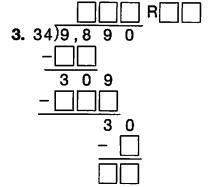
Divide: 3,312 ÷ 16.

Estimate the quotient:  $3,000 \div 15 = 200$ .

Since the quotient is close to the estimate, 200, it is reasonable.

### **Guided Practice**

Divide.



# **SKILL 31: Practice**

## Divide. Check your answer.

1. 18)735

**2.** 48)9,888

**3.** 15)1,063

4. 36)9,720

**5.** 22)4,565

**6.** 82)9,844

**7.** 25)7,642

**8.** 63)6,917

**9.** 46)9,649

10. 92)10,120

**11.** 75)17,313

**12.** 44)26,547

**13.** 82)4,932

**14.** 29)8,914

**15.** 54)3,805

**16.** 18)9,377

#### Solve.

- 17. It takes Alan's fax machine 18 seconds to fax one page.
  How many pages can the machine fax in 360 seconds?
- 18. The 3,456 students at Main Junior High traveled on buses to a school picnic. There were 32 students in each bus. How many buses were needed?



19. It took 38 hours to install a pump. The total cost of the installation was \$4,142. What was the installation cost per hour?

Skill 31

A 104

**C** 109

**B** 140

**D** 190

20. Alison makes necklaces that use 60 beads each. How many complete necklaces can she make with 849 beads?

Skill 28

F 13 R8

H 14 R9

G 14

**J** 15