

# Estimate with 2-Digit Divisors

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Interactive Examples

**Use compatible numbers to find two estimates.**

21.  $18 \overline{)1,322}$

22.  $12 \overline{)478}$

23.  $33,671 \div 12$

24.  $2,242 \div 33$

$1,200 \div 20 = 60$

$1,400 \div 20 = 70$

**Use compatible numbers to estimate the quotient.**

25.  $82 \overline{)5,514}$

26.  $61 \overline{)5,320}$

27.  $28 \overline{)776}$

28.  $23 \overline{)16,259}$

## Problem Solving



29. A cubic yard of topsoil weighs 4,128 pounds. About how many 50-pound bags of topsoil can you fill with one cubic yard of topsoil?

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30. An electronics store places an order for 2,665 USB flash drives. One shipping box holds 36 flash drives. About how many boxes will it take to hold all the flash drives?

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31. **WRITE** *Math* Create a division problem with a 2-digit divisor.

Using more than 1 set of compatible numbers, observe what happens when you estimate using a different divisor, a different dividend, and when both are different. Using a calculator, compare the estimates to the answer and describe the differences.

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## Lesson Check

- 32.** Geneva has 567 earmuffs in stock. If she can put 18 earmuffs on each shelf, about how many shelves does she need for all the earmuffs?
- 33.** Mr. Franchot pays \$327 for one dozen collector's edition baseball cards. About how much does he pay for each baseball card?

## Spiral Review

- 34.** Demont can frame 9 pictures each day. He has an order for 108 pictures. How many days will it take him to complete the order?
- 35.** Madeleine can type 3 pages in one hour. How many hours will it take her to type a 123-page report?
- 36.** Suppose you round 432,575 to 433,000. To what place value did you round the number?
- 37.** Etoile's catering company received an order for 118 apple pies. Etoile uses 8 apples to make one apple pie. How many apples does she need to make all 118 pies?