

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?

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?

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.

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?