Estimate with 2-Digit Divisors

Go Online Interactive Examples

Use compatible numbers to find two estimates.

$$1,200 \div 20 = 60$$

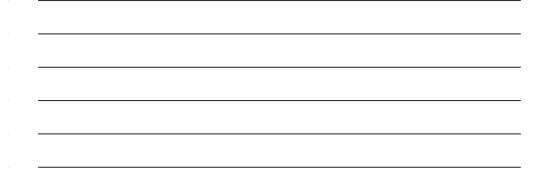
 $1.400 \div 20 = 70$

Use compatible numbers to estimate the quotient.

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?