

Estimating Quotients with 2-Digit Divisors

In 1 through 4, estimate the quotients using compatible numbers.

1. $566 \div 81 =$ 7

2. $453 \div 93 =$ 5

3. $1,423 \div 69 =$ 20

4. $8,631 \div 10 =$ 860

5. **Reasoning** If you use $\$99.00 \div 11$ to estimate $\$98.69 \div 11$, is \$9.00 greater than or less than the exact answer? Explain.

Greater than; Sample answer: $11 \times 9 = 99$, which is greater than \$98.69.

6. Suppose there are 19 students in a class. A teacher has 122 pencils and passes them out to the class. Estimate the number of pencils each student will receive.

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7. At a department store, a package of 12 handkerchiefs costs \$58.99. Estimate how much each handkerchief costs.

\$5

8. **Number Sense** Which is the closest estimate for $2,130 \div 33$?

A 7

B 17

C 70

D 700

9. **Explain It** Explain how to estimate $498 \div 12$.

Sample answer: Use compatible numbers: $500 \div 10 = 50$.