

Estimating Decimal Products and Quotients



The digits provided in the Answer column are correct, but they are missing a decimal point. For each problem, write a number sentence to estimate the product or quotient. Use your estimate to place a decimal point in the digits provided. An example is done for you.

Problem	Estimation Number Sentence	Answer (place the decimal point)
Example: $12.2 * 1.9$	$10 * 2 = 20$	2 3.1 8
1 $17.4 * 97.5$		1 6 9 6 5
2 $83.12 * 7.25$		6 0 2 6 2
3 $0.36 * 325.5$		1 1 7 1 8
4 $4.85 * 0.6$		2 9 1
5 $1.8 * 27.3$		4 9 1 4
6 $95.76 \div 7.6$		1 2 6
7 $515.87 \div 65.3$		7 9
8 $2.76 \div 3.68$		0 7 5
9 $101.8 \div 0.8$		1 2 7 2 5
10 $1,390.72 \div 21.73$		6 4 0 0

Try This

- 11 Four families held a garage sale and split the proceeds evenly. They made a total of \$1,256.60 at the garage sale. Circle the number model that represents the correct amount of money each family earned.
- a. $\$1,256.60 \div 4 = \31.41 b. $\$1,256.60 \div 4 = \314.15
 c. $\$1,256.60 \div 4 = \$3,141.50$ d. $\$1,256.60 \div 4 = \3.14
- 12 How did you use estimation to think about Problem 11?
