

# Estimating Decimal Quotients

When estimating with decimal division, you can use compatible numbers to make the math easier. By rounding the dividend and the divisor to numbers that can easily be divided, you will make your math computation easier.

Estimate  $88.95 \div 0.95$ .

$$88.95 \div 0.95 = ?$$

Write the original problem.



$$90 \div 0.90 = 100$$

Write compatible numbers.

For questions 1-4, estimate the quotients.

1.  $12.72 \div 3.6$  \_\_\_\_\_

2.  $9.39 \div 0.92$  \_\_\_\_\_

3.  $0.74 \div .08$  \_\_\_\_\_

4.  $145.22 \div 50.2$  \_\_\_\_\_

5. Mario and three friends purchased a snow blower to share. If the snow blower costs \$439.20, describe how you estimate how much each person will pay?

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6. Is 100 a reasonable estimate for  $915.25 \div 88.22$ ?

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