

Chapter 3 Lesson 6

Estimate Quotients

Compatible numbers- are numbers that are easy to divide mentally.

Estimate Quotients- use rounding and compatible numbers. May estimate by rounding the dividends, divisors, or both. The goal is to get them to compatible numbers.

Estimating Decimal Quotients Steps:

- Think of numbers close to the dividend and divisor that can easily be divided using mental math.
 - In some cases, you may just need to **round**
 - In other cases, you may need to think of **compatible numbers**.

Examples:

$56.3 \div 9.2$ Possible Estimates: $54 \div 9 = 6$ OR $60 \div 10 = 6$

$$49.3 \div 7$$

$$49 \div 7 = 7$$

$$98.1 \div 25$$

$$100 \div 25 = 4$$

$$54 \div 9.16$$

$$54 \div 9 = 6$$

$$99 \div 10.75$$

$$100 \div 10 = 10$$

$$984.76 \div 38.1$$

$$1000 \div 40 = 25$$

$$40.79 \div 7$$

$$42 \div 6 = 7$$