

Divide Multi-Digit Numbers Using an Algorithm

Lesson 2-6

Name:

Date:

Class:

My Notes

Level 2 Standard



TODAY'S OBJECTIVES

Content Objective: I can divide multi-digit whole numbers and explain the meaning of the quotient and remainder.

Language Objective: I can explain my division using the words dividend, divisor, quotient, and remainder.



See **Learn It** for the explanation and worked examples, and the **Vocab** tab for the words. These are your notes to fill in and keep.



Fill in each blank as we go. Use the Word Bank to help you.



WORD BANK — FILL EACH BLANK WITH THE BEST WORD

Algorithm

Dividend

Divisor

Quotient

Remainder

Divide Multi-Digit Numbers

Long division

Bring down



Tap any word to see its meaning and a picture.

1

A step-by-step set of rules to solve a problem is called an

2

In $84 \div 7$, the total amount 84 being divided is the

3

In $84 \div 7$, the number 7 that you divide by is the

4

The answer to a division problem is called the

5

When a number does not divide evenly, the amount left over is the

6 Long division repeats four steps: divide, multiply, subtract,

.

7 The method that repeats divide, multiply, subtract, and bring down is called

.

8 After you subtract in long division, the next step is to

the next digit.

Write About the Math

How does multi-digit division help the school figure out how many pencils each classroom gets?

¿Cómo ayuda la división de varios dígitos a la escuela a averiguar cuántos lápices recibe cada salón?

Say your answer to a partner first. Then write it, using at least two of these words:

☐ **Algorithm**
Algoritmo

☐ **Dividend**
Dividendo

☐ **Divisor**
Divisor

☐ **Quotient**
Cociente

☐ **Remainder**
Residuo

Model: *Estimating with friendly numbers checks whether the quotient is reasonable.* — Students estimate using $1,200 \div 12 = 100$ (or similar) to predict roughly 100+ bars per section, identifying 1,344 as the dividend and 12 as the divisor.

Start

Complete the frames. Use the word bank.

Completa las oraciones. Usa el banco de palabras.

- **Each classroom gets ____ pencils because $1,680 \div 24 =$ ____.**
- **My answer is ____ because ____.**
Mi respuesta es ____ porque ____.

Build

Write two connected sentences. Use because, so, or but.

Escribe dos oraciones conectadas. Usa porque, entonces o pero.

- **My claim is ____.**
Mi afirmación es ____.
- **My evidence is ____, so ____.**
Mi evidencia es ____, entonces ____.

Explain

Write a claim, give math evidence, and explain your reasoning.

Escribe una afirmación, da evidencia matemática y explica tu razonamiento.

☐ I answered the question.

☐ I used math evidence: numbers, an equation, or a model.

☐ I used at least two math words.