

Fraction Division Problem Solving

Lesson 6-11

Name: Type your name

Date: Today's date

Class: Class period



TODAY'S OBJECTIVES

Content Objective: I can solve real-world problems by writing and solving fraction division equations.

Language Objective: I can explain my reasoning using the words model, equation, solution, and reasonableness.



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

Fraction Division Problem Solving

Model

Equation

Solution

Reasonableness

Inverse operations



Tap any word to see what it means and a picture.

1

Name the total and the size of each group, then divide the

by the .

2

A drawing or diagram that shows a math situation is a

.

3

A math sentence that says two amounts are equal, with an = sign, is an

.

4

The value that makes an equation true is the .

5

Checking whether an answer makes sense for the problem is checking its

.

- 6 Operations that undo each other, like multiplication and division, are

Write About the Math

How does setting up a fraction division equation help solve this real-world problem?

¿Cómo ayuda armar una ecuación de división de fracciones a resolver este problema del mundo real?

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

☐

Fraction Division Problem Solving

Resolución de problemas de división de fracciones

☐

Model

Modelo

☐

Equation

Ecuación

☐

Solution

Solución

☐

Reasonableness

Razonabilidad

Model: *The total amount is the dividend; the size of each test is the divisor.* — Students identify $2/3$ as the total being split (dividend) and $1/6$ as the group size (divisor), writing $2/3 \div 1/6$.

Start

Complete the frames. Use the word bank.

Completa las oraciones. Usa el banco de palabras.

- **The chemist can run ____ tests because $5/6 \div 1/12 =$ ____.**
- **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.