

Convert Measurement Units

Lesson 3-10

Name:

Date:

Class:

My Notes

Level 2 Standard



TODAY'S OBJECTIVES

Content Objective: I can convert measurement units using ratios and conversion factors.

Language Objective: I can explain my conversion using the words conversion factor, unit, equivalent, and ratio.



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

Convert Measurement Units

Conversion Factor

Unit

Equivalent

Ratio

Customary units

Metric units

Ratio table



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

1

Renaming a measurement in a different unit without changing the amount is to it.

2

A ratio equal to 1 that relates two units, like 12 inches / 1 foot, is a .

3

A standard amount used to measure, like a foot or a gram, is a .

4

Two measurements that name the same amount, like 1 foot and 12 inches, are .

5

A comparison of two quantities is a .

6 Units like inches, feet, and pounds used mainly in the U.S. are

.

7 Units like meters, grams, and liters based on tens are

.

8 A table that lists equivalent ratios in rows or columns is a

.

Write About the Math

Will the cabinet fit through the doorway? Show your conversion to prove it?

¿Cabrará el mueble por la puerta? Muestra tu conversión para probarlo?

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

☐ **Convert Measurement Units**

Convertir unidades de medida

☐ **Conversion Factor**

Factor de conversión

☐ **Unit**

Unidad

☐ **Equivalent**

Equivalente

☐ **Ratio**

Razón

Model: A foot is bigger than an inch, so I must convert to compare or combine the measurements. — Students explain a foot is the larger customary unit (12 inches) and that mixed units must be converted to the same unit before working with them.

Start

Complete the frames. Use the word bank.

Completa las oraciones. Usa el banco de palabras.

- **7 feet** = $7 \times \underline{\hspace{1cm}}$ = $\underline{\hspace{1cm}}$ **inches**. Since $\underline{\hspace{1cm}}$ **inches** is $\underline{\hspace{1cm}}$ **than 80 inches**, the cabinet $\underline{\hspace{1cm}}$ **fit through the doorway**.
- **My answer is** $\underline{\hspace{1cm}}$ **because** $\underline{\hspace{1cm}}$.

Mi respuesta es $\underline{\hspace{1cm}}$ *porque* $\underline{\hspace{1cm}}$.

Build

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

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

- **My claim is** $\underline{\hspace{1cm}}$.
Mi afirmación es $\underline{\hspace{1cm}}$.
- **My evidence is** $\underline{\hspace{1cm}}$, **so** $\underline{\hspace{1cm}}$.

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.