

Least Common Multiple

Lesson 6-12

Name: Type your name

Date: Today's date

Class: Class period



TODAY'S OBJECTIVES

Content Objective: I can find the least common multiple (LCM) of two numbers by listing or comparing their multiples.

Language Objective: I can explain how I found the LCM using the words multiple, common multiple, skip counting, and least common multiple.



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

Least Common Multiple

Multiple

Common multiple

Skip counting

Prime factorization



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

1

The smallest number that is a multiple of both is their

.

2

The product of a number and any whole number is a

of that number.

3

A multiple that two or more numbers share is a
multiple.

4

Counting forward by a number other than 1, like 6, 12, 18, is called

.

5

Writing a number as numbers multiplied together is its prime factorization.

Write About the Math

How does the LCM help you figure out the fewest hot dogs and buns to buy so they come out even?

¿Cómo te ayuda el mínimo común múltiplo a averiguar la menor cantidad de salchichas y panes que hay que comprar para que salgan parejos?

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

☐ **Least Common Multiple**
Mínimo común múltiplo

☐ **Multiple**
Múltiplo

☐ **Common multiple**
Múltiplo común

☐ **Skip counting**
Conteo saltado

☐ **Prime factorization**
Factorización prima

Model: *The next shared check is a common multiple of 4 and 6, not their sum.* — Students reason that each astronaut repeats on multiples of their own number, so they only overlap at a common multiple, and adding $4 + 6$ does not land on both schedules.

Start

Complete the frames. Use the word bank.

Completa las oraciones. Usa el banco de palabras.

- **I need to buy** ____ **hot dogs and** ____ **buns because the LCM of 8 and 6 is** ____.
- **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.