

Multiplying Whole Numbers and Fractions: Illustrated!



Fifth Grade

Math

55 minutes

by Bryan Dalcomb

July 27, 2017

Give your students insight into what's going on when you multiply a whole number and a fraction! Use this lesson plan to teach your students to illustrate products of whole numbers and fractions using number lines.

Learning Objectives

Students will be able to illustrate products of whole numbers and fractions using number lines.

Materials and Preparation

- Class set of the [Illustrating Fraction and Whole Number Multiplication](#) worksheet

Key Terms

- number line

Lesson

Introduction (5 minutes)

- Have your students think, pair, and share an answer to the following question: What kinds of things can number lines show us?
- Note student responses for future reference.
- Explain to your class that today's lesson teaches how to use number lines to illustrate the product of whole numbers and a fractions.

Explicit Instruction/Teacher Modeling (10 minutes)

- Hand out the Illustrating Whole Number and Fraction Multiplication worksheet and and preview the two-step process.

Guided Practice/Interactive Modeling (10 minutes)

- Lead your class through the two-step process for exercises 1, 6, and 11 of the Illustrating Fraction and Whole Number Multiplication worksheet. Answer any clarifying questions.

Independent Working Time (15 minutes)

- Have your students complete the remaining exercises of the Illustrating Fraction and Whole Number Multiplication worksheet individually.

Extend

Differentiation

Support