Ratios and Proportional Relationships

Domain Overview

GRADE 6

Sixth graders are introduced to ratio, a relationship or comparison of two quantities or measures. Students represent ratios in various forms and compare types of ratios. At this level, they use reasoning about multiplication and division to solve ratio and rate problems about quantities. Students learn how and where ratios and rates are used in the real world.

GRADE 7

Continuing to develop an understanding of operations with rational numbers, seventh graders describe situations in which opposite quantities combine to make zero and determine the absolute value for a given number. Students estimate solutions, then add, subtract, multiply, and divide integers in the context of real-world problems. Given a real-world context, students simplify an expression using four integer operations and the order of operations.