

## Rational Numbers

Students who study rational numbers are learning to answer the questions

*What does it mean to take part of a part?*

*Why is it advantageous to be able to write a rational number in more than one form?*

*Why are common denominators only necessary for some operations?*

This unit of study addresses Indiana College & Career Ready Standards as follows:

**8.C.1:** Solve real-world problems with rational numbers by using multiple operations.

Gaining skills in this unit will enable students to do everyday tasks like combining measurements, counting out music, or estimating in the grocery store. The specific skills in this unit of study include

- converting between fraction and decimal
- comparing rational numbers
- adding and subtracting rational numbers with like denominators
- adding and subtracting rational numbers with unlike denominators
- multiplying rational numbers
- dividing rational numbers
- solving equations involving rational numbers