

Chapter 2 Rational Number Operations

Dear Family,

In this chapter, your student will learn about operations with rational numbers. Some of the skills your student will practice are:

- adding, subtracting, multiplying, and dividing integers
- finding the distance between two integers on a number line
- using the order of operations with integers
- adding, subtracting, multiplying, and dividing rational numbers in fraction or decimal form
- solving real-world problems using operations with integers, fractions, and decimals

Activity

Using the order of operations is an important skill that students will use throughout this mathematics class and future classes. You can help your student practice the order of operations with this activity.

- Write the integers from 0 to 9 on separate pieces of paper. Shuffle the papers and place them face down on a table.
- Select four numbers at random. Using those four numbers, and any operation signs, negative signs, and grouping symbols, you will try to write the integers from -10 to 10 . For example, if your numbers are 2, 5, 6, and 7, you could start with $-10 = -[2(7 - 5) + 6]$ and $-9 = (7 + 2)(5 - 6)$.
- You cannot use place value when combining numbers. For example, you cannot combine your numbers to write numbers such as 25 or 256.

Vocabulary to Practice

Two numbers such as 12 and -12 are **additive inverses** because their sum is 0.

A **complex fraction** has a fraction in its numerator, denominator, or both.



Online Resources

For additional Parent Resources my.hrw.com