

Grade 6 Mathematics Unit Preview

Quarter 4: Number Relationships and Computation (Integers)

Objectives: (Your student will be able to)

- **Read, write, and represent positive and negative integers.**
- **Compare and order integers.** For example, order the following integers from least to greatest: 4, -2, 7, -5.
- **Locate positive and negative integers on a number line.**
- **State and define the absolute value of an integer.**
For example, $|4| = 4$ because the absolute value of an integer is its distance from zero on the number line.
- **Add and subtract negative and positive numbers.** For example, use a number line to add/subtract negative and positive numbers.
- **Define absolute values and integers.**

Vocabulary: (Words your student will need to understand)

• **Absolute value:** The distance of a number from zero on a number line. For example, the absolute value of -4 is 4 and the absolute value of +4 is also 4.

• **Integer:** A set of whole numbers and their opposites.



• **Negative integer:** Any integer less than zero.

• **Positive integer:** Any integer greater than zero.

Activities to do with your student (in addition to homework, optional):

- Find examples of integers in the newspaper, on the internet, or in magazines.
- Roll or spin digits to create integers. Add or subtract the integers that you roll.
- Roll or spin digits to create integers. Place your integers on a number line.

