

NAME _____

Module 3 Integers
Lesson 2 Adding Integers

Lesson Objectives

- Model addition of integers using physical objects and pictures.
- Add integers.
- Find absolute value.

Subtopic 1 Adding Integers Using Counters Model

- Start with an empty field.
- _____ numbers are represented by red counters.
- Positive integers are represented by _____ counters.
- Place the appropriate counters in the empty field.
- A pair that has a total of _____ is called a _____ pair.
- The sum of a number and its opposite is _____.
- Make zero pairs and remove from the field.
- The counters remaining in the field is the _____.

Add using counters.

1 $-3 + 1$ _____

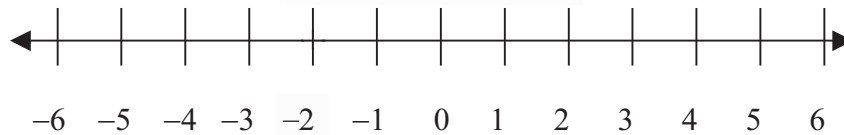
2 $-3 + (-4)$ _____

Subtopic 2**Adding Integers Using Number Lines**

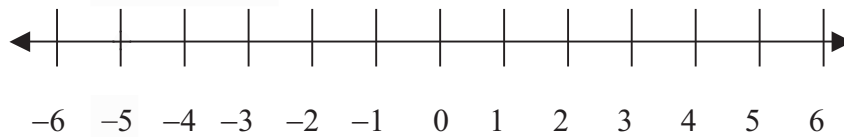
- Find the first addend on the number line.
- If adding a _____ number, move to the right the number of spaces designated by the absolute value of the second addend.
- If adding a _____ number, move to the left the number of spaces designated by the absolute value of the second addend.

Add using a number line.

3 $2 + (-4)$



4 $-3 + (-2)$

**Subtopic 3****Adding Integers Using Rules**

- **Adding Integers with the Same Sign**
 _____ the absolute values of the integers.
 The sum has the _____ sign as the addends.
- **Adding Integers with Different Signs**
 _____ the lesser absolute value from the greater absolute value.
 The sum has the same sign as the integer with the _____ absolute value.

Add.

5 $-11 + 31$

6 $-15 + (-21)$