

# Lesson Notes 3.3

NAME \_\_\_\_\_

Module 3    Integers  
Lesson 3    Subtracting Integers

## Lesson Objectives

- Model subtraction of integers using counters and a number line.
- Subtract integers.

## Subtopic 1    Subtracting Integers Using Counters

A pair of counters that has a total of \_\_\_\_\_ is called a \_\_\_\_\_ pair.

Use counters to subtract.

★ 1     $-3 - 1$  \_\_\_\_\_

★ 2     $4 - (-2)$  \_\_\_\_\_

★ 3     $-3 - (-4)$  \_\_\_\_\_

★ 4     $3 - 5$  \_\_\_\_\_

**Subtopic 2****Subtracting Integers Using Number Lines**

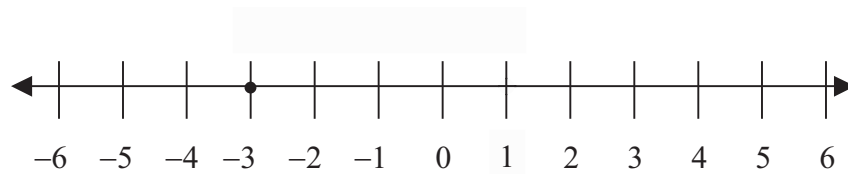
To subtract an integer, \_\_\_\_\_ its opposite.

**Subtracting Integers with a Number Line**

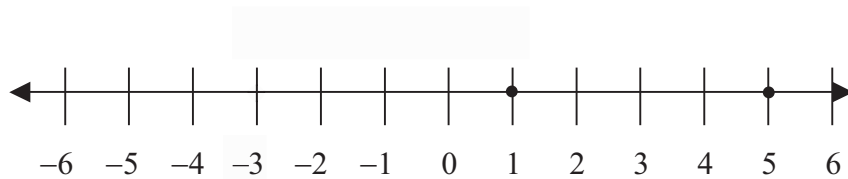
- Start on the \_\_\_\_\_.
- Add the \_\_\_\_\_ of the subtrahend.

Use a number line to subtract.

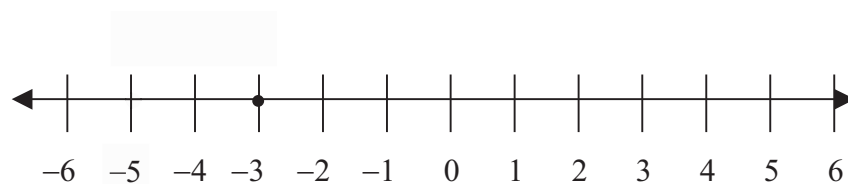
5  $-3 - (-4)$  \_\_\_\_



6  $1 - 4$  \_\_\_\_



7  $-3 - 2$  \_\_\_\_



NAME \_\_\_\_\_

**Module 3    Integers**  
**Lesson 3    Subtracting Integers**

**Subtopic 3    Subtracting Integers Using Rules**

**Adding Integers with the Same Sign**

- Add the \_\_\_\_\_ of the integers.
- Sum has the \_\_\_\_\_ as the addends.


**Adding Integers with Different Signs**


- Subtract the \_\_\_\_\_ absolute value from the \_\_\_\_\_ absolute value.
- Sum has the same sign as the integer with the \_\_\_\_\_ absolute value.

**Subtracting Integers**

- To subtract an integer, \_\_\_\_\_ its opposite; then follow the rules for \_\_\_\_\_ integers.

**Subtract.**

  $-11 - 21$  \_\_\_\_\_

  $25 - (-14)$  \_\_\_\_\_