

NAME \_\_\_\_\_

Module 3    Integers  
Lesson 5    Solving Problems with Integers



Set 1

**1** Create and solve a problem in which one negative number must be subtracted from another to obtain a solution.

**2** Create and solve a problem in which two negative numbers have to be multiplied to obtain a solution.

## Possible Answers

### Set 1

1. A diver is 20 feet below sea level. Four minutes later, the diver is 15 feet below sea level. What is the change in depth of the diver?

$$-15 - (-20)$$

$$-15 + 20$$

$$5$$

The diver is five feet above where he was four minutes ago.

2. Mr. Tu is walking along a number line. Each second, he takes two steps in the negative direction. Right now, he is standing on negative four. What was his position five seconds ago?

$$-4 + (-2)(-5)$$

$$-4 + 10$$

$$6$$

Five seconds ago, Mr. Tu was at six.