

Name: \_\_\_\_\_

# Lesson Guide

This lesson guide accompanies the following video lesson:

## Practice Adding and Subtracting Negative Numbers



### Example 01

Altitude above sea level is given in positive values and below sea level is given in negative values. If a hiker starts at an altitude of -20 feet, find the following:

**What is her position after increasing her altitude by 20 feet?**

**How many feet of altitude will she travel to reach a position of 60 feet above sea level?**



## Example 02: Your Turn

Altitude above seas level is given in positive values and below sea level is given in negative values. If Carly lives in a mountain house that is 425 meters above sea level, find the following:

**What is her position after after driving down into town and decreasing her altitude by 450 meters?**

**Later that afternoon, Carly takes a submarine ride 65 meters below sea level. How many meters of altitude did she increase/decrease between leaving her mountain house and her submarine ride?**

## ANSWER KEY

- 1.) A: 0 feet above sea level, B: 80 feet increase
- 2.) A: -25 meters below sea level, B: 490 meter decrease