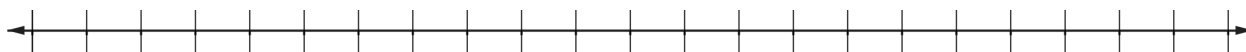


Name \_\_\_\_\_ Date \_\_\_\_\_

- At 9 a.m. the temperature was  $-5^{\circ}\text{F}$ . By noon, the temperature had risen  $14^{\circ}\text{F}$ . On the number line below, show how to find the temperature at noon. Explain.



- Jonah is a novice when it comes to scuba diving. His first dive was 12 feet deep, and his second dive was 3 feet deeper than the first. Describe the depth of Jonah's second dive. Show your work on the vertical number line.



Name \_\_\_\_\_ Date \_\_\_\_\_

At 6 p.m., the temperature was  $11^{\circ}\text{C}$ . By midnight, the temperature was  $-3^{\circ}\text{C}$ .

1. On the number line below, show how to find the difference between the temperatures.



2. Write an integer to represent the temperature change from 6 p.m. to midnight. Explain.

Name \_\_\_\_\_ Date \_\_\_\_\_

Juan marked the water level of a lake at the beginning of the year. At the end of every month, he recorded how much the water level had *changed*, in centimeters.

What is the total amount of *change* in the water level over the course of nine months? Use your knowledge of the properties of operations to simplify your calculations.

<i>Month</i>	<i>Change in Water Level (in cm)</i>
January	$-\frac{5}{8}$
February	- 0.4
March	- 0.4
April	- 6
May	- 2.9
June	3.2
July	$6\frac{5}{8}$
August	- 3.2
September	0.3