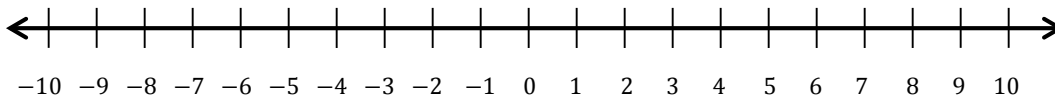
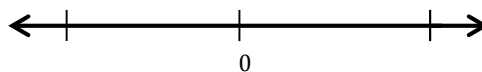


**Problem Set**

1. Find the opposite of each number and describe its location on the number line.
  - a.  $-5$
  - b.  $10$
  - c.  $-3$
  - d.  $15$
  
2. Write the opposite of each number and label the points on the number line.
  - a. Point A: The opposite of 9.
  - b. Point B: The opposite of  $-4$ .
  - c. Point C: The opposite of  $-7$ .
  - d. Point D: The opposite of 0.
  - e. Point E: The opposite of 2.



3. Study the first example. Write the integer that represents the opposite of each real-world situation. In words, write the meaning of the opposite.
  - a. An atom's positive charge of 7
  - b. A deposit of \$25
  - c. 3,500 feet below sea level
  - d. A rise of  $45^{\circ}\text{C}$
  - e. A loss of 13 pounds
  
4. On a number line, locate and label a credit of \$38 and a debit for the same amount from a bank account. What does zero represent in this situation?



5. On a number line, locate and label  $40^{\circ}\text{C}$  below zero and  $40^{\circ}\text{C}$  above zero. What does zero represent in this situation?

