Lesson 5: The Opposite of a Number’s Opposite

Problem Set

1. Read each description carefully, and write an equation that represents the description.
   1. The opposite of negative seven
   2. The opposite of the opposite of twenty-five
   3. The opposite of fifteen
   4. The opposite of negative thirty-six
2. Jose graphed the opposite of the opposite of on the number line. First, he graphed point on the number line units to the right of zero. Next, he graphed the opposite of on the number line units to the left of zero and labeled it . Finally, he graphed the opposite of and labeled it .
   1. Is his diagram correct? Explain. If the diagram is not correct, explain his error, and correctly locate and label point .
   2. Write the relationship between the points:

and

and

and

1. Read each real-world description. Write the integer that represents the opposite of the opposite. Show your work to support your answer.
   1. A temperature rise of degrees Fahrenheit
   2. A gain of yards
   3. A loss of pounds
   4. A withdrawal of
2. Write the integer that represents the statement. Locate and label each point on the number line below.
   1. The opposite of a gain of
   2. The opposite of a deposit of
   3. The opposite of the opposite of
   4. The opposite of the opposite of
   5. The opposite of the opposite of a loss of