Chapter 2 sec 1

Whole numbers: { 0, 1, 2, 3, . . . }
Integers: { . . . -3, -2, -1, 0, 1, 2, 3, . . . }

On the number line, larger numbers are

inequality symbol, < > points toward the smaller number

Opposite or Negative of a whole number
-a opposite or negative of a
                      a + (-a) = 0

Symbol: -5
 negative five or the opposite of five.

Opposite of Opposite
                      - (-5) = 5

Example 4: page 101
simplify:
a) - (- 13)   b) – (- 119)

Positive integer: on the number line, right of zero.

Negative integer: On the number line, left of zero.

Absolute value:
Definition: Distance from the origin (zero).
Symbols: number between two vertical lines | 5 | |-2|

Example 6: page 103

Determine the value of each expression:
a) | -7| b) | 3 |

Example 7:
Determine the value of each expression:
 a) – (-8)   b) - | -50 |