Unit 45 Signed Numbers

1. Signed numbers

- Numbers may be positive (+) or negative (-). A.
 - 1. A temperature of plus 90 degrees (+90) is hot.
 - 2. A temperature of minus 3 degrees (-3) is cold.
- B. Understanding and working with positive and negative numbers begins with a number line.

2. Number line



Symbols are used to show position and direction on a number line Β. > means greater than > means greater than or equal to < means less than < means less than or equal to

C. As you move to the right on a number line, the numbers are larger. 2 -2

$$2 > -5$$
 $0 > -2$ $2 > 0$ $5 > 2$

Absolute value

- A. The absolute value of a number is its distance from zero (in either direction).
- B. The symbol for absolute value is | |.
- C. |3| = 3.
- D. |-3| = 3.
- 4. Addition of signed numbers

5. Subtraction of signed numbers



