

## **2.2 Adding Integers**

**Goals:** Add numbers with the same signs

Add numbers with different signs

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### **Same Signs:**

- 1) Keep the \_\_\_\_\_
- 2) \_\_\_\_\_ the numbers.

### **Add.**

**Ex:**  $-3 + (-8)$

**Ex:**  $-17 + (-12)$

**Ex:**  $-6 + (-4)$

**Ex:**  $-9 + (-5)$

**Ex:**  $-2 + (-14)$

**Ex:**  $-12.5 + (-2.3)$

**Ex:**  $-3 + (-10)$

**Ex:**  $-17.5 + (-2.5)$

**Ex:**  $x + (-3)$  if  $x = -22$

**Ex:**  $(-x) + (-13.4)$  if  $x = 7.25$

**Ex:**  $-|x| + (-21.3)$  if  $x = -2.2$

**Different Signs:**

- 1) Keep the \_\_\_\_\_ of the number with the larger \_\_\_\_\_.
- 2) \_\_\_\_\_ the numbers.

**Ex:**  $-7 + 3$

**Ex:**  $-14 + 13$

**Ex:**  $-4 + 10$

**Ex:**  $6 + (-9)$

**Ex:**  $14 + (-8)$

**Ex:**  $44.2 + (-16.4)$

**Ex:**  $x + (-12)$  when  $x = 4.3$

**Ex:**  $-x + 37.65$  when  $x = 22.71$