

# Adding Integers with Different Signs

---

**Rule:** When integers have different signs, subtract their absolute values. The sum has the sign of the integer with the greater absolute value.

Examples:  $-9 + 4 = -5$      $7 + -3 = 4$

## A. Add integers where the negative value has the greater absolute value.

1.  $-8 + 3 =$  \_\_\_\_\_

3.  $-15 + 7 =$  \_\_\_\_\_

2.  $-12 + 5 =$  \_\_\_\_\_

4.  $-10 + 4 =$  \_\_\_\_\_

## B. Add integers where the positive value has the greater absolute value.

5.  $9 + -4 =$  \_\_\_\_\_

7.  $11 + -8 =$  \_\_\_\_\_

6.  $13 + -6 =$  \_\_\_\_\_

8.  $15 + -7 =$  \_\_\_\_\_

## C. Add integers (mixed).

9.  $14 + -9 =$  \_\_\_\_\_

13.  $-9 + 16 =$  \_\_\_\_\_

10.  $-6 + 10 =$  \_\_\_\_\_

14.  $18 + -27 =$  \_\_\_\_\_

11.  $-22 + 8 =$  \_\_\_\_\_

15.  $40 + -22 =$  \_\_\_\_\_

12.  $25 + -13 =$  \_\_\_\_\_

16.  $-35 + 14 =$  \_\_\_\_\_

# Adding Integers with Different Signs

---

**Rule:** When integers have different signs, subtract their absolute values. The sum has the sign of the integer with the greater absolute value.

Examples:  $-9 + 4 = -5$      $7 + -3 = 4$

**A. Add integers where the negative value has the greater absolute value.**

1.  $-8 + 3 = \underline{-5}$

3.  $-15 + 7 = \underline{-8}$

2.  $-12 + 5 = \underline{-7}$

4.  $-10 + 4 = \underline{-6}$

**B. Add integers where the positive value has the greater absolute value.**

5.  $9 + -4 = \underline{5}$

7.  $11 + -8 = \underline{3}$

6.  $13 + -6 = \underline{7}$

8.  $15 + -7 = \underline{8}$

**C. Add integers (mixed).**

9.  $14 + -9 = \underline{5}$

13.  $-9 + 16 = \underline{7}$

10.  $-6 + 10 = \underline{4}$

14.  $18 + -27 = \underline{-9}$

11.  $-22 + 8 = \underline{-14}$

15.  $40 + -22 = \underline{18}$

12.  $25 + -13 = \underline{12}$

16.  $-35 + 14 = \underline{-21}$