

## Adding Positive and Negative Integers

**Rule 3:** When adding one positive and negative number, find the difference between their absolute values and use the sign of the integer with the greatest absolute value.

**Example:**

Simplify  $(+9) + (-2)$ .  
 $|+9| + |-2|$   
 $(+9) - (+2) = 7$ .

**Simplify the following.**

1.  $(+5) + (-8)$

2.  $(-2) + (+9)$

3.  $4 - 6$

4.  $(-9) + (+2)$

5.  $(-3) + (-14) + (+1)$

6.  $(-11) + (+3)$

7.  $-30 + 5$

8.  $+7 - 10$

9.  $-2 - 7 + 4$

10.  $-21 - 5 + 8 + 9$

11.  $(+1) + (-5) + (-8)$

12.  $-1 + 5 - 12$

13.  $+5 + (-7) + (-3) + 8$

14.  $-8 + (+10) + (-5)$

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Example:

Simplify  $(+9) + (-2)$ .  
 $|+9| + |-2|$   
 $(+9) - (+2) = 7$ .

Simplify the following.

1.  $-29 + (23)$

2.  $26 - 19$

3.  $-16 + (20)$

4.  $20 - 13$

5.  $-16 + (1)$

6.  $29 - 3$

7.  $26 - 14$

8.  $-14 + (9)$

9.  $-21 + (3)$

10.  $-19 + (15)$

11.  $13 - 28$

12.  $17 - 28$

13.  $13 - 24$

14.  $-15 + (28)$

15.  $-7 + (8)$

16.  $-25 + (23)$

17.  $6 - 2$

18.  $-30 + (23)$

19.  $-25 + (24)$

20.  $-7 + (13)$

21.  $1 - 24$

22.  $-18 + (3)$

23.  $12 - 29$

24.  $-16 + (22)$

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Example:

Simplify  $(+9) + (-2)$ .  
 $|+9| + |-2|$   
 $(+9) - (+2) = 7.$

Simplify the following.

1.  $29 - 4$

2.  $19 - 27$

3.  $-2 + 14$

4.  $30 - 20$

5.  $12 - 27$

6.  $-22 + 21$

7.  $-30 + 8$

8.  $-7 + 4$

9.  $-25 + 27$

10.  $22 - 27$

11.  $23 - 4$

12.  $29 - 19$

13.  $27 - 6$

14.  $-26 + 23$

15.  $-4 + 3$

16.  $-3 + 16$

17.  $-1 + 11$

18.  $26 - 12$

19.  $-22 + 19$

20.  $-4 + 18$

21.  $4 - 2$

22.  $20 - 20$

23.  $-14 + 1$

24.  $4 - 24$

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Example:

Simplify  $(+9) + (-2)$ .  
 $|+9| + |-2|$   
 $(+9) - (+2) = 7$ .

Simplify the following.

1.  $-29 + 11$

2.  $4 - 1$

3.  $-21 + 27$

4.  $7 - 8$

5.  $25 - 14$

6.  $-26 + 24$

7.  $-13 + 21$

8.  $-11 + 30$

9.  $-4 + 8$

10.  $-13 + (3$

11.  $-27 + 5$

12.  $-18 + 5$

13.  $17 - 20$

14.  $-17 + 14$

15.  $12 - 12$

16.  $-25 + 29$

17.  $21 - 30$

18.  $29 - 28$

19.  $-11 + 15$

20.  $6 - 1$

21.  $-25 + 2$

22.  $-30 + (11$

23.  $-19 + 21$

24.  $6 - 25$