

Warmup:

1. Evaluate the expression.

$$5 - 9 + 4 - 6$$

2. Evaluate the expression.

$$7 - 3 - 2 - 9$$

3. Calculate:

$$-4 - 10$$

$$5 - -2$$

$$-6 - -4$$

$$7 - -3$$

4. Simplify.

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5. Simplify.

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I. Mental Parentheses in Addition and Subtraction

Using mental parentheses to simplify expressions.

1. Combine the positive numbers

$$1 - 4 + 5 - 8$$

2. Combine the negative numbers

$$1 + 5 - 4 - 8$$

3. Combine the two sums from steps 1 and 2.

$$6 - 12$$

$$-6$$

Evaluate the expression using mental parentheses.

$$5 - 9 + 4 - 6$$

Evaluate the expression using mental parentheses.

$$7 - 3 - 2 - 9$$

6. Evaluate the expression.

$$-6 - 5 - 8 + 9$$

7. Evaluate the expression.

$$2 + 1 - 5 - 4$$

II. Simplifying numbers with multiple signs

Simplify: $-^+6+^+10+^+4+^+5$

Change $++$ to $+$

Change $--$ to $+$

Change $+-$ to $-$

Change $-+$ to $-$

10. Simplify $-^+5-^-6+^-10+^+8$

