

How to use integer operations

Operations with integers involve negative numbers, zero and positive numbers. When performing integer operations, certain rules must be used.

- **To add integers with different signs**, subtract the absolute value of the integers and write the sign of the larger absolute value.
- **To add integers with the same sign**, add the absolute value of the integers and write the common sign.

Ex. $-8 + 5 = |-8| - |5| = -3,$

the answer is -3 because 8 is larger than 5



PREVIEW

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Ex. $(-5)(-7) = +35$ $(-6)(9) = -54$

- Equations and inequalities are solved with inverse operations. When solving with integers, the rules for each mathematical operation must be used. Remember when multiplying or dividing by a negative number, the inequality sign is reversed.

