

Rules for Integers

Adding Integers with Absolute Value:

1. If the integers have the same sign, add the absolute values and use the common sign.
2. If the integers have different signs, subtract the lesser absolute value from the greater absolute value and use the sign of the integer with the greater absolute value.
3. If the integers are opposites, the sum will be zero.

Subtracting Integers:

1. To subtract an integer, add its opposite. Then follow the rules of addition.

Multiplying Integers:

1. The product of two integers with the same sign is positive.
2. The product of two integers with different signs is negative.
3. The product of an integer and 0 is 0.

Dividing Integers

1. The quotient of two integers with the same sign is positive.
2. The quotient of two integers with different signs is negative.
3. The quotient of 0 and any nonzero integer is 0.