

Operations of Signed Numbers

ADDITION

1. To add 2 numbers with the same sign, add their absolute values and give the answer the common sign.
2. To add 2 numbers with different signs, subtract the smaller absolute value from the larger absolute value. Give the answer the sign of the number with the larger absolute value.

SUBTRACTION

Change subtraction to addition and change the sign of the second number. Then, follow your addition rules.

MULTIPLICATION

If there is an even number of negative signs, the answer will be positive.
If there is an odd number of negative signs, the answer will be negative.
If there are no negative numbers, the answer will be positive.

DIVISION

If the numbers have the same sign, the answer is positive.
If the numbers have different signs, the answer is negative.