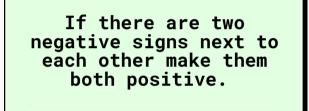# ADDING

If the signs are different. Take the sign of the bigger number and subtract the numbers.

$$Ex: -2 + 1 = -1$$

If the signs are both negative, keep the negative sign and add the numbers.

$$Ex: -2 + -1 = -3$$

SUTRACTION

If there are two negative signs next to each other make them both positive.

$$Ex: -2 - (-1) = -1$$
$$-2 + (+1) = -1$$

If not, do + -

$$Ex: -8 - 1 = -9$$
$$-8 + -1 = -9$$

MULTIPLICATION/DIVISION

If the signs are the same, the answer will be positive.

$$Ex: -2 \, x -2 = +4$$
$$2 \, x \, 3 = +6$$
$$-4 \div -2 = +2$$
$$8 \div 2 = +4$$

If the signs are different the answer will be negative.

$$Ex: -2 \, x \, 2 = -4$$
$$4 \, x -1 = -4$$
$$16 \div -4 = -4$$
$$-12 \div 3 = -4$$

HELPFUL TIPS

If you see two + signs next to each other you can rewrite it as one + sign.

$Ex: 2 - (-1) =$
$2 + (+1) =$
$2 + 1 = 3$

If you see a - and a + sign next to each other you can rewrite it as a - sign.

$Ex: 8 + (-1) =$
$8 - 1 = 7$

ANOTHER WAY

Sometimes you can rearrange the numbers to solve it.

$Ex: 8 - 12 =$

$Rewrite\ as: -12 + 8 =$ OR $Do\ +\ -: 8 + -12 =$

$Either\ way\ you\ get\ -4\ as\ your\ answer.$

Notice that I kept the negative (−) sign with the 12 and the invisible plus (+) sign with the 8. When rearranging always keep the sign with its numher!

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