How to do reverse percentages the easiest way!

Firstly, you have to know two things:

The new value and the percentage increase or decrease.

Let's say that the new value is 50 and we decreased the original by 50% to get it.

So -50% as a multiplier is * by 0.5

We take the new value -50 in our case- and divide it by 1 ± the multiplier.

If our percentage is a decrease from the original amount, then we do "-"

If it is and increase from the original amount, then we do "+"

So as an equation it would be:

Original = increased / (1 + multiplier)

Or

Original = decreased / (1 – multiplier)

Let's check

50 / (1 – 0.5) = 100

50% of 100 is 50 so it is correct!