Goals: Discuss the procedure for adding and subtracting decimals and relating this to what we learned when adding and subtracting integers. Discuss why we must line up the decimals when adding and subtracting.

* How do we add decimals?
  + Why do we line up the decimal?
  + Why didn’t we do it before we thought about decimals, or did we?

# How do we add decimals?

Consider the Example:

1200 1200

+321 vs +321

Which is the correct way to add and why? Is it important to do one way over the other? Why?

So then what about this example:

Does it matter how we add money $5.31+$14.28?

$14.28 $14.28

+$5.31 vs. +$ 5.31 Why is one way correct and the other way is not?

When we add money, what is the important part?

So then, how do we add with decimals, and why is it imperative that we do it this way?

Did we always do this when we added? Lets think of a few examples from chapter 2 and see how we would add and subtract those, did we still do it this same way, or is this a “new rule” for adding but just for decimals?

## When adding and subtracting with decimals, line up the decimal

When we add and subtract with decimals, we must line up the decimals, to insure that we are adding the ones with the ones, the tens with the tens, the tenths with the tenths, and the hundredths with the hundredths, etc.

Once we line up the decimals, all the other rules for addition and subtraction still hold and we can mostly just “ignore” the decimal.

However, often, we can get pretty good at doing them in our heads too.

Examples: