

# Addition and Subtraction Strategies

## Decomposing Numbers

### Jump Strategy

Make jumps on a number line to add numbers!

Ex) Add  $51 + 382 = \underline{433}$

382 390 400 430 433

+8 +10 +30 +3

382 is the bigger number so I want to start with it!

I want to make jumps to get to a landmark number.

So far I've jumped 18, I need to jump 51. So I know I need to jump 33 more.

My jumps all add up to 51!  
 $30 + 10 + 8 + 3$

### Split Strategy

Decompose the numbers and add with equations!

Ex) Add  $\underline{51} + \underline{382} = \underline{433}$

① HUNDREDS:  $300 + 0 = \underline{300}$

② TENS:  $80 + 50 = \underline{130}$

③ ONES:  $2 + 1 = \underline{3}$

④ ADD UP THE TOTALS!  $300 + 130 + 3 = \underline{433}$