Subtraction Strategies

$$352 - 100 = 252$$

$$252 - 20 = 232$$

In this strategy, place value you break the number you are subtracting apart by place value.

(Break it Down)

Chunking

In this strategy, you take "chunks" away similar to the Place Value strategy but you break down the numbers even more to make them easier to work with.

$$352 - 100 = 252$$

$$252 - 10 = 242$$

$$242 - 10 = 232$$

$$232 - 2 = 230$$

352 - 128 300 50 20 - 100 30 200 -6

Expanded Form

(Stretch it out by

Place value)

This strategy is similar to the Place Value strategy because the numbers are divided up by place value and subtracted separately. If you get a negative number, just subtract it!

Subtraction Strategies

compensation

(Subtracting friendly chunks)

352 - 128

352 - 128

-100 -100

252 28

-20 -20

232

- 2 - 2

230

-5 - 5

225 1

-1 -1

224

In this strategy, the goal is to take all of the "subtrahend" (the number you are taking away) from the "minuend" (the number you started with) by taking friendly chunks away from both sides. Since you are taking all of the subtrahend away, once you get to "0", the minuend's number will be the answer!



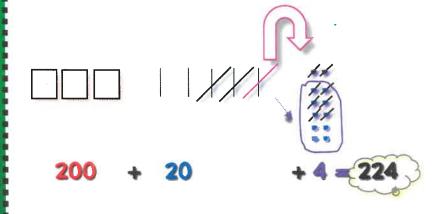
This strategy uses a visual to solve problems. This represents the manipulatives we can use in class.

Base 10
Place Value Model

The = 100, the = 10, and = 1.

If you don't have enough to subtract, you will need to "regroup" (think about bundling and giving 10).

352 - 128



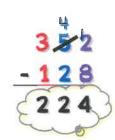


Subtraction Strategies

Traditional

Algorithm

(Stack & Regroup)



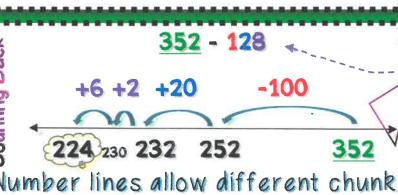
The "O" is a place holder. The "1" must be added to the tens place.

Number Line

Go back the amount you

are subtracting

If the number on the bottom is bigger than the number on the top, you have to regroup (borrow) from the tens or hundreds. Always start with the ones place with this strategy.



Number lines allow different chunks to be taken away or added to make the problem easier. Use "friendly" numbers like 10 and 100. Some prefer to count backwards while counting up is easier

