

Unit 3: Module 2- Session 4

Charting Subtraction Strategies

Learning Target

I can solve Subtraction word problems using a number line strategy.



Today's



Review
Subtraction
Strategies
we have
learned
before,
chart our
examples
on posters

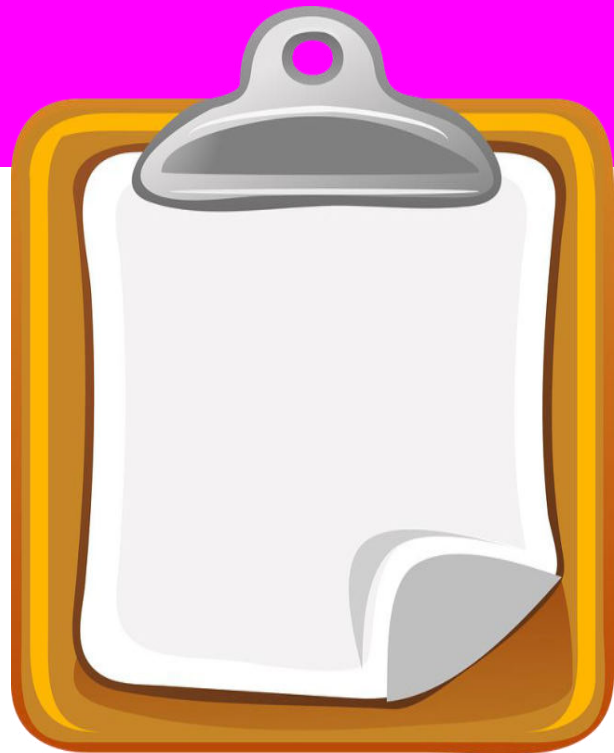
Discuss
and model
how to pick
the best
subtraction
strategy
with an
example
problem.

Group
Work Must
do's and
May Do's
and Small
group
teacher
Groups

Creating our Class Subtraction Chart

Think about the strategies we have used over the past few sessions. Take 3 minutes and look through your math journals .

- What strategies have we used?
- What examples do you see
- Which strategies worked best for you?



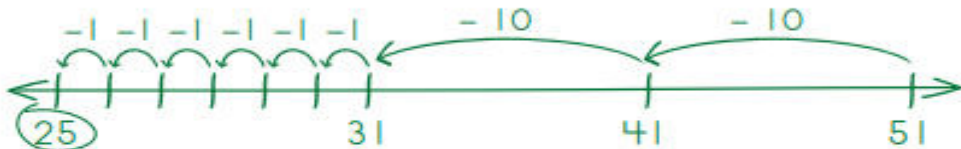
Review of Strategies

Number Line Subtraction Strategies: 2-Digit Combinations

$$51 - 26 = n$$

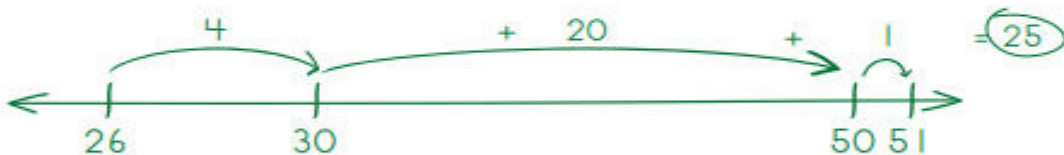
Removal (take away)

Jumping back by 10s and 1s



Finding the Difference

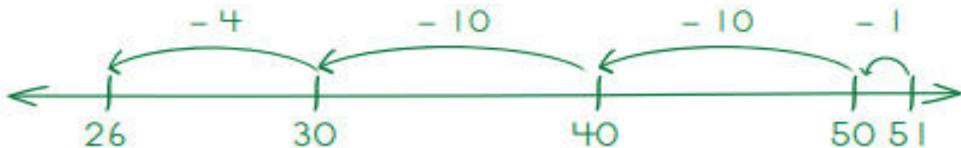
Jumping from small to big



Finding the Difference

Jumping from big to small

$$4 + 10 + 10 + 1 = 25$$



Number Line Subtraction Strategies: 3-Digit Combinations

$$562 - 347 = n$$

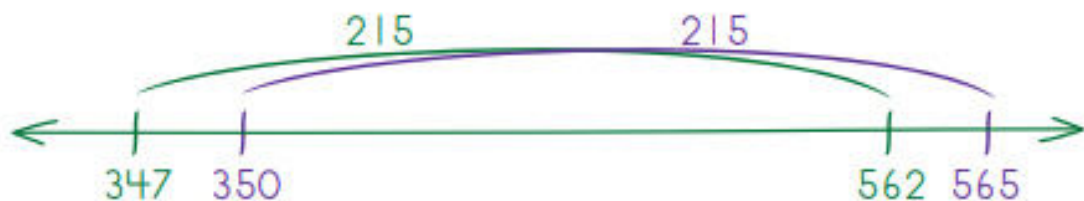
Removal (take away)

Taking big jumps
with place value



Finding the Difference

Constant Difference



$$562 - 347 = n$$

$$\begin{array}{r} + 3 \quad + 3 \\ \hline 565 - 350 = 215 \end{array}$$

In your journal...

- Write today's date and Subtraction on the Number Line
- Let's write two equations to solve this problem
- Estimate the answer to this problem
- Solve. Show your work.



Numbers on a Line

1 The third graders are selling raffle tickets for the school carnival. Matt has sold 52 tickets. Briana has sold 87 tickets. How many more raffle tickets has Briana sold than Matt?

a Equations: _____

b Estimate the answer mentally.

c Think about the number line subtraction strategy that might be the best to solve this problem.

Solve at least TWO problems

- Write an equation
- Estimate the answer
- Solve the problem. Show your work.
- Label your answer



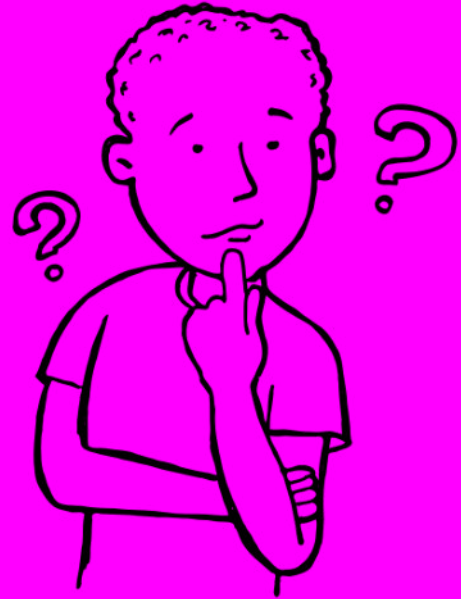
Numbers on a Line

- 1 The third graders are selling raffle tickets for the school carnival. Matt has sold 52 tickets. Briana has sold 87 tickets. How many more raffle tickets has Briana sold than Matt?

 - a Equations: _____
 - b Estimate the answer mentally.
 - c Think about the number line subtraction strategy that might be the best to solve this problem.
- 2 Carter wanted to weigh his puppy, but the puppy wouldn't stand still on the scale. So Carter weighed himself. He weighed 59 pounds. Then he picked up his puppy and stood on the scale. Together they weigh 85 pounds. How much did the puppy weigh?
- 3 Jasmine read three chapters of her adventure book in one night, and now she is on page 204. The adventure book has 590 pages. How many more pages does Jasmine need to read to finish the book?
- 4 Cedric and Willie are collecting game store tokens. Cedric has 295 tokens, and Willie has 523 tokens. Who has more tokens? How many more does he have?

Reflection

- How is it going? (thumbs up, thumbs to the side, thumbs down)
- Have you thought of a strategy that needs to be added to our chart?



Complete one problem on your own!



Books & Books & Books Work Sample

- 1** In January, third graders at Evans School read 279 books in all. In April, they read 403 books. How many more books did they read in April than in January?
- a** Use rounding to estimate the answer to this problem. Show your work and your estimate here.
- b** Find the actual difference. Show your thinking with numbers, sketches, or words. Use a strategy that is more efficient than counting on or counting backward by 1s.
- The third graders read _____ more books in April than in January.
- c** Write an equation to match the problem.