

Strategies to Solve Addition Problems

Break Apart Strategy

$67 + 25$

I wanted to start with 67 and break 25 apart. I know that to make 25, I have 2 tens and 5 ones.

First, I added 2 tens to 67. I know that $67 + 20 = 87$.

$67 + 20 = 87$

$87 + 5 = 92$

Next, I added 5 ones to 87. I know that $87 + 5 = 92$.

Commutative Property

I know that changing the order in which I add my numbers together does not change the answer to my addition problem.

I broke 67 and 25 into tens and ones. I know that I have to add $60 + 7 + 20 + 5$.

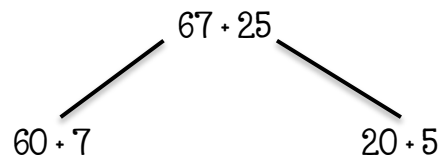
First, I add $60 + 20$. I know that $60 + 20 = 80$

Then, I add 7. I know that $80 + 7 = 87$.

Finally, I add 5 more. I know that $87 + 5 = 92$.

Place Value Strategy

I broke apart both 67 and 25 into 10s and 1s.



Next, I added my tens together: $60 + 20 = 80$

Then, I added my ones together: $7 + 5 = 12$

Finally, I added my answers together: $80 + 12 = 92$

Open Number Line

I can use an open number line when I add.

First, I start with the largest number.

Then, I add the next number in pieces.

67	77	87	92
	+10	+10	+5

$67 + 10 = 77$

$77 + 10 = 87$

$87 + 5 = 92$

Strategies to Solve Subtraction Problems

Tips to Remember

*Always start with the largest number when you are subtracting.

*Some of these strategies work better for some subtraction problems than others.

*Remember to check your work on a subtraction problem. You can always add your two smaller numbers together. If they equal the larger number, your work is correct.

$$34 + 44 = 78 \text{ so } 78 - 34 = 44$$

Think Addition

I can think about the number that I need to add to get to my total number.

I thought "34 plus what number equals 78?"

I know that I needed 40, since $34 + 40 = 74$.
I know that next I need 4 more. $74 + 4 = 78$.

When I add these 2 numbers together, I know $40 + 4 = 44$

Place Value Strategy

I broke apart both 78 and 34 into 10s and 1s.

$$\begin{array}{ccc} & 78 - 34 & \\ / & & \backslash \\ 70 + 8 & & 30 + 4 \end{array}$$

Next, I subtracted my tens from each other.

$$70 - 30 = 40$$

Then, I subtracted my ones from each other.

$$8 - 4 = 4$$

Finally, I added my answers together.

$$40 + 4 = 44$$

Open Number Line

I can use an open number line when I subtract.

I start with the largest number.

Then, I subtract the second (smaller) number in parts

44 48 58 68 78

-4 -10 -10 -10

$$67 + 10 = 77$$

$$77 + 10 = 87$$

$$87 + 5 = 92$$

$$78 - 10 = 68$$