

Adding and Subtracting Strategies, Part 2

Ten Facts- These are important to know as they are used in making a 10 fact strategy.

$$1 + 9, 9 + 1, 2 + 8, 8 + 2, 3 + 7, 7 + 3, 4 + 6, 6 + 4, 5 + 5$$

Doubles Plus One - For this strategy tell the children “when the numbers are next door neighbors (consecutive numbers like 6 and 7) then we can use the doubles plus one strategy.”

If your child is learning a fact like $6 + 7$, these are the steps to think through:

- Double the lower number, which in this case would be 6 giving you $6 + 6 = 12$.
- Now add one more: (Remember the original question was $6 + 7$ which is one more than the double fact $6 + 6 = 12$)
- Think $6 + 6 + 1 = 13$ or $12 + 1 = 13$.
- Now say the fact: $6 + 7 = 13$.

Doubles Plus Two - If a child is faced with the $5 + 7$ think through the same steps as Doubles Plus One except add 2 instead of one. This works for facts that have numbers that are separated by two. When helping a child to recognize when to use this strategy tell them to use it “when the numbers are NOT next door neighbors, but two doors down from each other.”

Make a Double – This strategy can also be used to solve facts that have numbers that are two apart. For $5 + 7$ we can think of the 7 “loaning” one to the 5. The 5 gains one to become 6 and the 7 loses one to become 6. This makes the fact a double, so $5 + 7$ is the same as $6 + 6 = 12$.

Make a 10 Fact With Addition – This is used for a fact like $9 + 5$.

- Think $10 + 5 = 15$ (which is much easier to add).
- Now minus 1 (Think $15 - 1 = 14$).
- Now say the fact: $9 + 5 = 14$.
- Remind your child that you added $10 + 5$ instead of $9 + 5$. That’s one more than you started with, so you have to take that one away to get the correct answer.

Make a 10 Fact With Subtraction - If your child is trying $17 - 9$, use these steps:

- Change the 9 to 10 (Think $17 - 10 = 7$, which is *much* easier to subtract).
- Now add 1 (Think $7 + 1 = 8$).
- Now say the fact: $17 - 9 = 8$.
- Remind your child that you subtracted $17 - 10$ instead of $17 - 9$. That’s taking one more away then you started with, so you have to add that one back to get the right answer.