

Grade 4 Addition Strategies



+ Front-End Addition:

Using front-end addition requires that you break down a number by **hundreds**, **tens** and **ones** and then add each sum together. This is a good strategy for adding 2- and 3-digit numbers.

- Start at the *left* and add the hundreds first
- Add the tens
- Add the ones

For Example:

$$325 + 234 = \underline{\quad}$$

- Add **hundreds** $300 + 200 = 500$
- Add the **tens** $20 + 30 = 50$
- Add the **ones** $5 + 4 = 9$

Now add together the sums: $500 + 50 + 9 = 559$

+ Nice Numbers & Compensation:

Add together *Nice Numbers* (numbers that add together to give multiples of ten, which are easy to calculate) and then subtract the difference.

For Example:

$$354 + 17 = \underline{\quad}$$

- Add **3** to 17 to make **20**
- Add $354 + 20 = 374$
- Now, **subtract the 3** too many to get your final answer
- $374 - 3 = 371$

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+ Partner Numbers or Compatible Numbers:

Numbers that will easily add together to give multiples of ten.

For Example:

$$225 + 63 + 75 = \underline{\quad}$$

- Look for multiples of ten $225 + 63 + 75 =$ (25 + 75 make 100)
- Add 225 and 75 = 300
- Now, add the other number $300 + 63 = 363$

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