

2 Digit Addition Strategies

The second graders are learning several different ways to solve 2 digit addition problems. Here is an explanation of some of the ways:

Compensation: This is useful with only some problems. It's good for doing a problem mentally.

$$29 + 31 = \quad \text{becomes} \quad 30 + 30 =$$

You move a one from the 31 over to the 29, creating a new problem that is easier to solve.

Break Apart Your Numbers: Split the number into tens and ones, add the separate problems and then put back together to find the sum.

$$\begin{array}{r} 43 \text{ is } 40 + 3 \\ + 25 \text{ is } 20 + 5 \end{array} \quad \begin{array}{l} \text{You know that } 40 + 20 = 60 \text{ and that} \\ 3 + 5 = 8, \text{ together it makes } 68. \end{array}$$

Open Number Line: This video is a good explanation

<https://www.youtube.com/watch?v=B8xTMrDgifQ>

Base Ten Blocks: The way you were taught as a kid, except now we actually move the blocks until they understand the concept. No one ever told us why we had to put the little one above the tens place.

<https://www.youtube.com/watch?v=rDY-i9ps69I>