Mental Math: Left-To-Right Addition (2-Digit Numbers)

Key idea: Simplify the problem by breaking it into parts.

Step	Example
	47 + 32 =
Separate the 2nd number into 10s and 1s	47 + 32 = 47 + 30 + 2
first add the 10s	47 + 30 = 77
Then add the 1s	77 + 2 = 79

Practice

23 +16	64 +43	95 +32	34 +26	89 +78
73 +58	47 +36	19 +17	55 +49	39 +38

Answers to practice:

23 +16 39	64 +43 107	95 +32 127	34 +26 60	89 +78 167
73 +58 131	47 +36 83	19 +17 36	55 +49 104	39 +38 77

Game: Add & Flip Battle

Materials needed:
- Set of Double 9 dominoes
- Coin for Flipping
- Dry erase board/markers/eraser

To play:
- Turn all dominoes upside down and mix them.
- Each player draws 2 dominos and treats them as 2-digit numbers.
- Both players add their numbers together using mental math. (No fair writing it down.) If answers are the same, both players get a point.
- If answers are different, flip the coin to determine whether the higher number or lower number wins. (Heads = Higher, Tails = lower)
- Keep score on the dry erase board.

To win: Player with the most points when all the dominoes have been used is the winner.

Variation: Institute a challenge. If one player thinks the other had added incorrectly, he/she can challenge. If the challenger wins, they get a point. If the original answer was correct, that player gets a point.