

2-Digit Addition

Strategy 3: Partial Sums

We are ready to learn a new addition strategy this week!

Parents: please remember that it is different than how you learned to add but I encourage you to follow the strategies that I am introducing to allow your child to see what is happening when numbers are added which gives them a better overall understanding. Also, this is how they will see it done at school next year as well.

For now we are going to continue with numbers that do not involve regrouping (or carrying as the parents learned).

The third addition strategy that we will learn: Partial Sums. This shows how each 2-digit number has some tens and ones. First add the tens, then add the ones, then add those 2 numbers together to get the answer.

I have posted some examples below. If you aren't sure about these examples or have any questions please message me and I'll call you to explain.

Addition: Partial Sums

1.
$$\begin{array}{r} 26 \\ + 13 \\ \hline 30 \\ + 9 \\ \hline 39 \end{array}$$

30 ← Add the tens
+ 9 ← Add the ones
39 ← Total

The question can also be across
(horizontal)

$$\begin{array}{c} 30 \text{ (add tens)} \\ \text{---} \\ 26 + 13 = 39 \\ \text{---} \\ 9 \text{ (add ones)} \end{array} \quad 30 + 9 = 39$$


2.
$$\begin{array}{r} 51 \\ + 34 \\ \hline 80 \\ + 5 \\ \hline 85 \end{array}$$

3.
$$\begin{array}{c} 50 \\ \text{---} \\ 32 + 24 = 56 \\ \text{---} \\ 6 \end{array} \quad 50 + 6 = 56$$

4.
$$\begin{array}{r} 45 \\ + 12 \\ \hline 50 \\ + 7 \\ \hline 57 \end{array}$$

5.
$$\begin{array}{c} 40 \\ \text{---} \\ 16 + 33 = 49 \\ \text{---} \\ 9 \end{array} \quad 40 + 9 = 49$$

Now try some yourself! Get a separate piece of paper and figure out these questions.

$\begin{array}{r} 16 \\ +11 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ +10 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 33 \\ +15 \\ \hline \end{array}$
$\begin{array}{r} 12 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ +10 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ +22 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ +11 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ +11 \\ \hline \end{array}$
$\begin{array}{r} 30 \\ +20 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ +11 \\ \hline \end{array}$		$\begin{array}{r} 12 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ +15 \\ \hline \end{array}$
$\begin{array}{r} 20 \\ +20 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 48 \\ +11 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ +21 \\ \hline \end{array}$	$\begin{array}{r} 22 \\ +11 \\ \hline \end{array}$
$\begin{array}{r} 64 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 22 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ +15 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ +12 \\ \hline \end{array}$