Addition Strategies

There are lots of different ways to add numbers. As each child learns differently, we teach a wide range of addition strategies. Here are some of the strategies your child may use:

**Using Pictures**

4 + 1 =

**Number Line**

\[
\begin{array}{c}
4 + 1 = 5 \\
\end{array}
\]

\[
\begin{array}{c}
7 + 4 = 11 \\
\end{array}
\]

**Partition into tens and ones and recombine**

12 + 23 = 35

10 + 20 = 30 (add the tens)
2 + 3 = 5 (add the ones)
30 + 5 = 35

**Partition the second number only**

\[
\begin{array}{c}
23 + 12 = 33 + 2 \\
= 35 \\
\end{array}
\]

**Partitioning 3 digit numbers**

248 + 132 =

200 + 100 = 300
40 + 30 = 70
8 + 2 = 10
300 + 70 + 10 = 380

**Number line (efficient jumps)**

374 + 248 = 622

200 + 100 = 300
40 + 30 = 70
8 + 2 = 10
300 + 70 + 10 = 380

**Add or subtract the nearest multiple of 10 or 100, then adjust**

458 + 79 = is the same as 458 + 80 – 1

246 + 42 = is the same as 246 + 40 + 2

**Expanded Column Method**

\[
\begin{array}{c}
336 + 124 = \\
300 & 30 & 6 \\
+ 100 & 20 & 4 \\
\end{array}
\]

\[
\begin{array}{c}
400 + 50 + 10 = 460 \\
\end{array}
\]

**Vertical Method**

\[
\begin{array}{c}
358 + 73 \\
\end{array}
\]

\[
\begin{array}{c}
675 \\
\end{array}
\]

\[
\begin{array}{c}
431 \\
\end{array}
\]

\[
\begin{array}{c}
4262 \\
\end{array}
\]

**Expanded Vertical Method**

\[
\begin{array}{c}
374 + 248 \\
12 \ (4 + 8) \\
110 \ (70 + 40) \\
500 \ (300 + 200) \\
\end{array}
\]

\[
\begin{array}{c}
431 \\
4262 \\
\end{array}
\]

**Vertical Method**

\[
\begin{array}{c}
358 + 73 \\
\end{array}
\]

\[
\begin{array}{c}
675 \\
\end{array}
\]

\[
\begin{array}{c}
431 \\
\end{array}
\]

\[
\begin{array}{c}
4262 \\
\end{array}
\]