

ADDITION STRATEGIES

New Groups Above

$$\begin{array}{r} 1 \quad 1 \\ 2 \quad 7 \quad 8 \\ + \quad 1 \quad 5 \quad 6 \\ \hline 4 \quad 3 \quad 4 \end{array}$$

1. Add the ones column. Group ten ones as one ten and record it above the tens column. Record any left over ones below the ones column.
2. Add the tens column. Group ten tens as one hundred and record it above the hundreds column. Record any left over tens below the tens column.
3. Add the hundreds column. Group ten hundreds as one thousand and record it above the thousands column. Record any left over hundreds below the hundreds column.
4. So on...

New Groups Below

$$\begin{array}{r} 2 \quad 7 \quad 8 \\ + \quad 1 \quad 5 \quad 6 \\ \hline 4 \quad 3 \quad 4 \end{array}$$

1. Add the ones column. Group ten ones as one ten and record it below the tens column. Record any left over ones below the ones column.
2. Add the tens column. Group ten tens as one hundred and record it below the hundreds column. Record any left over tens below the tens column.
3. Add the hundreds column. Group ten hundreds as one thousand and record it below the thousands column. Record any left over hundreds below the hundreds column.
4. So on...

Example A	2	7	8
+	1	5	6
	<hr/>		
	3	0	0
+	1	2	0
		1	4
	<hr/>		
	4	3	4

Subtotals Left to Right

1. Start at the largest place value.
2. Add all of the hundreds together and record the sum in the related columns.
3. Add all of the tens together and record the sum in the related columns.
4. Add all of the ones together and record the sum in the related columns.
5. Add the columns (example A)

OR

go back to the largest place value (example B).
Add the hundreds together and record the sum in the related columns, etc. until the columns can be added easily.

Example B	2	7	8
+	1	5	6
	<hr/>		
	3	0	0
+	1	2	0
		1	4
	<hr/>		
	4	0	0
+		3	0
			4
	<hr/>		
	4	3	4

Example C	2	7	8
+	1	5	6
	<hr/>		
		1	4
+	1	2	0
	3	0	0
	<hr/>		
	4	3	4

Subtotals Right to Left

1. Start at the smallest place value.
2. Add all of the ones together and record the sum in the related columns.
3. Add all of the tens together and record the sum in the related columns.
4. Add all of the hundreds together and record the sum in the related columns.
5. Add the columns (example C)

OR

go back to the smallest place value (example D).
Add the ones together and record the sum in the related columns, etc. until the columns can be added easily.

Example D	2	7	8
+	1	5	6
	<hr/>		
		1	4
+	1	2	0
	3	0	0
	<hr/>		
			4
+		3	0
	4	0	0
	<hr/>		
	4	3	4