

LONG ADDITION

Add by Regrouping

Objective: Add each column. When a column makes ten or more, carry the ten to the next column.

INSTRUCTION Add the ones first. If you get ten or more, write the ones digit and carry the ten above the next column.

EXAMPLE Follow the steps to solve it.

1 Add the ones

$$1 + 9 = 10$$

Write 0. Carry 1 into the tens.

$$\begin{array}{r} 1381 \\ + 9769 \\ \hline 0 \end{array}$$

2 Add the tens

$$1 + 8 + 6 = 15$$

Write 5. Carry 1 into the hundreds.

$$\begin{array}{r} 11 \\ 1381 \\ + 9769 \\ \hline 50 \end{array}$$

3 Add the hundreds

$$1 + 3 + 7 = 11$$

Write 1. Carry 1 into the thousands.

$$\begin{array}{r} 111 \\ 1381 \\ + 9769 \\ \hline 150 \end{array}$$

4 Add the thousands

$$1 + 1 + 9 = 11$$

Write 1. Carry 1 into the ten-thousands.

$$\begin{array}{r} 111 \\ 1381 \\ + 9769 \\ \hline 11150 \end{array}$$

5 Final answer

$$\begin{array}{r} 111 \\ 1381 \\ + 9769 \\ \hline 11150 \end{array}$$

$1381 + 9769 = 11150$
11150 is the sum!

INDEPENDENT PRACTICE Solve each one. Write the answer below the line.

1.
$$\begin{array}{r} 8126 \\ + 7573 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 8188 \\ + 3393 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 2333 \\ + 9532 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 5961 \\ + 4122 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 6165 \\ + 3927 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 8173 \\ + 2306 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 3950 \\ + 8718 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 6579 \\ + 6169 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 8173 \\ + 3340 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 2716 \\ + 4372 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 3317 \\ + 2476 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 6792 \\ + 4807 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 9739 \\ + 1047 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 3533 \\ + 3858 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7379 \\ + 5329 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 1178 \\ + 5307 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 5377 \\ + 9041 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 9554 \\ + 4934 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 4636 \\ + 7857 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 6842 \\ + 8332 \\ \hline \end{array}$$

I solved by: lined up the columns carried the ten checked my work

TEACHER EDITION

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Objective: Add each column. When a column makes ten or more, carry the ten to the next column.

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1 Add the ones

$$1 + 9 = 10$$

Write 0. Carry 1 into the tens.

$$\begin{array}{r} 1381 \\ + 9769 \\ \hline 0 \end{array}$$

2 Add the tens

$$1 + 8 + 6 = 15$$

Write 5. Carry 1 into the hundreds.

$$\begin{array}{r} 11 \\ 1381 \\ + 9769 \\ \hline 50 \end{array}$$

3 Add the hundreds

$$1 + 3 + 7 = 11$$

Write 1. Carry 1 into the thousands.

$$\begin{array}{r} 111 \\ 1381 \\ + 9769 \\ \hline 150 \end{array}$$

4 Add the thousands

$$1 + 1 + 9 = 11$$

Write 1. Carry 1 into the ten-thousands.

$$\begin{array}{r} 1111 \\ 1381 \\ + 9769 \\ \hline 11150 \end{array}$$

5 Final answer

$$\begin{array}{r} 1111 \\ 1381 \\ + 9769 \\ \hline 11150 \end{array}$$

$1381 + 9769 = 11150$
11150 is the sum!

INDEPENDENT PRACTICE Solve each one. Write the answer below the line.

1.

$$\begin{array}{r} 8126 \\ + 7573 \\ \hline 15699 \end{array}$$

2.

$$\begin{array}{r} 8188 \\ + 3393 \\ \hline 11581 \end{array}$$

3.

$$\begin{array}{r} 2333 \\ + 9532 \\ \hline 11865 \end{array}$$

4.

$$\begin{array}{r} 5961 \\ + 4122 \\ \hline 10083 \end{array}$$

5.

$$\begin{array}{r} 6165 \\ + 3927 \\ \hline 10092 \end{array}$$

6.

$$\begin{array}{r} 8173 \\ + 2306 \\ \hline 10479 \end{array}$$

7.

$$\begin{array}{r} 3950 \\ + 8718 \\ \hline 12668 \end{array}$$

8.

$$\begin{array}{r} 6579 \\ + 6169 \\ \hline 12748 \end{array}$$

9.

$$\begin{array}{r} 8173 \\ + 3340 \\ \hline 11513 \end{array}$$

10.

$$\begin{array}{r} 2716 \\ + 4372 \\ \hline 7088 \end{array}$$

11.

$$\begin{array}{r} 3317 \\ + 2476 \\ \hline 5793 \end{array}$$

12.

$$\begin{array}{r} 6792 \\ + 4807 \\ \hline 11599 \end{array}$$

13.

$$\begin{array}{r} 9739 \\ + 1047 \\ \hline 10786 \end{array}$$

14.

$$\begin{array}{r} 3533 \\ + 3858 \\ \hline 7391 \end{array}$$

15.

$$\begin{array}{r} 7379 \\ + 5329 \\ \hline 12708 \end{array}$$

16.

$$\begin{array}{r} 1178 \\ + 5307 \\ \hline 6485 \end{array}$$

17.

$$\begin{array}{r} 5377 \\ + 9041 \\ \hline 14418 \end{array}$$

18.

$$\begin{array}{r} 9554 \\ + 4934 \\ \hline 14488 \end{array}$$

19.

$$\begin{array}{r} 4636 \\ + 7857 \\ \hline 12493 \end{array}$$

20.

$$\begin{array}{r} 6842 \\ + 8332 \\ \hline 15174 \end{array}$$

I solved by: lined up the columns carried the ten checked my work