

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

$$\begin{array}{r} 8 + 9 = 17 \\ \text{Write 7. Carry 1 into the tens.} \\ \begin{array}{r} 5698 \\ + 9319 \\ \hline 7 \end{array} \end{array}$$

2 Add the tens

$$\begin{array}{r} 1 + 9 + 1 = 11 \\ \text{Write 1. Carry 1 into the hundreds.} \\ \begin{array}{r} 5698 \\ + 9319 \\ \hline 17 \end{array} \end{array}$$

3 Add the hundreds

$$\begin{array}{r} 1 + 6 + 3 = 10 \\ \text{Write 0. Carry 1 into the thousands.} \\ \begin{array}{r} 5698 \\ + 9319 \\ \hline 017 \end{array} \end{array}$$

4 Add the thousands

$$\begin{array}{r} 1 + 5 + 9 = 15 \\ \text{Write 5. Carry 1 into the ten-thousands.} \\ \begin{array}{r} 5698 \\ + 9319 \\ \hline 15017 \end{array} \end{array}$$

5 Final answer

$$\begin{array}{r} 5698 \\ + 9319 \\ \hline 15017 \end{array}$$

$5698 + 9319 = 15017$
15017 is the sum!

INDEPENDENT PRACTICE

Solve each one. Write the answer below the line.

1.
$$\begin{array}{r} 8556 \\ + 7661 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 4633 \\ + 2179 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 1877 \\ + 4545 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 2651 \\ + 9738 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 2597 \\ + 2399 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 3944 \\ + 8096 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 4428 \\ + 3523 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 1924 \\ + 9385 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 3532 \\ + 9049 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 7035 \\ + 2083 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 9343 \\ + 4490 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 6512 \\ + 2861 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 4357 \\ + 1937 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 2857 \\ + 1129 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7233 \\ + 9216 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 8162 \\ + 8904 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 3390 \\ + 3433 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 6499 \\ + 8995 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 7980 \\ + 3942 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 9670 \\ + 2915 \\ \hline \end{array}$$

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

TEACHER EDITION

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EXAMPLE

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1 Add the ones

$$\begin{array}{r} 8 + 9 = 17 \\ \text{Write 7. Carry 1 into the tens.} \\ \begin{array}{r} 5698 \\ + 9319 \\ \hline 7 \end{array} \end{array}$$

2 Add the tens

$$\begin{array}{r} 1 + 9 + 1 = 11 \\ \text{Write 1. Carry 1 into the hundreds.} \\ \begin{array}{r} 5698 \\ + 9319 \\ \hline 17 \end{array} \end{array}$$

3 Add the hundreds

$$\begin{array}{r} 1 + 6 + 3 = 10 \\ \text{Write 0. Carry 1 into the thousands.} \\ \begin{array}{r} 5698 \\ + 9319 \\ \hline 017 \end{array} \end{array}$$

4 Add the thousands

$$\begin{array}{r} 1 + 5 + 9 = 15 \\ \text{Write 5. Carry 1 into the ten-thousands.} \\ \begin{array}{r} 5698 \\ + 9319 \\ \hline 15017 \end{array} \end{array}$$

5 Final answer

$$\begin{array}{r} 5698 \\ + 9319 \\ \hline 15017 \end{array}$$

$5698 + 9319 = 15017$
15017 is the sum!

INDEPENDENT PRACTICE

Solve each one. Write the answer below the line.

1.
$$\begin{array}{r} 8556 \\ + 7661 \\ \hline 16217 \end{array}$$

2.
$$\begin{array}{r} 4633 \\ + 2179 \\ \hline 6812 \end{array}$$

3.
$$\begin{array}{r} 1877 \\ + 4545 \\ \hline 6422 \end{array}$$

4.
$$\begin{array}{r} 2651 \\ + 9738 \\ \hline 12389 \end{array}$$

5.
$$\begin{array}{r} 2597 \\ + 2399 \\ \hline 4996 \end{array}$$

6.
$$\begin{array}{r} 3944 \\ + 8096 \\ \hline 12040 \end{array}$$

7.
$$\begin{array}{r} 4428 \\ + 3523 \\ \hline 7951 \end{array}$$

8.
$$\begin{array}{r} 1924 \\ + 9385 \\ \hline 11309 \end{array}$$

9.
$$\begin{array}{r} 3532 \\ + 9049 \\ \hline 12581 \end{array}$$

10.
$$\begin{array}{r} 7035 \\ + 2083 \\ \hline 9118 \end{array}$$

11.
$$\begin{array}{r} 9343 \\ + 4490 \\ \hline 13833 \end{array}$$

12.
$$\begin{array}{r} 6512 \\ + 2861 \\ \hline 9373 \end{array}$$

13.
$$\begin{array}{r} 4357 \\ + 1937 \\ \hline 6294 \end{array}$$

14.
$$\begin{array}{r} 2857 \\ + 1129 \\ \hline 3986 \end{array}$$

15.
$$\begin{array}{r} 7233 \\ + 9216 \\ \hline 16449 \end{array}$$

16.
$$\begin{array}{r} 8162 \\ + 8904 \\ \hline 17066 \end{array}$$

17.
$$\begin{array}{r} 3390 \\ + 3433 \\ \hline 6823 \end{array}$$

18.
$$\begin{array}{r} 6499 \\ + 8995 \\ \hline 15494 \end{array}$$

19.
$$\begin{array}{r} 7980 \\ + 3942 \\ \hline 11922 \end{array}$$

20.
$$\begin{array}{r} 9670 \\ + 2915 \\ \hline 12585 \end{array}$$

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