

Name: _____

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

$$\begin{array}{r} 8 + 3 = 11 \\ \text{Write 1. Carry 1 into the tens.} \\ \begin{array}{r} 5368 \\ + 9953 \\ \hline 1 \end{array} \end{array}$$

2 Add the tens

$$\begin{array}{r} 1 + 6 + 5 = 12 \\ \text{Write 2. Carry 1 into the hundreds.} \\ \begin{array}{r} 5368 \\ + 9953 \\ \hline 21 \end{array} \end{array}$$

3 Add the hundreds

$$\begin{array}{r} 1 + 3 + 9 = 13 \\ \text{Write 3. Carry 1 into the thousands.} \\ \begin{array}{r} 5368 \\ + 9953 \\ \hline 321 \end{array} \end{array}$$

4 Add the thousands

$$\begin{array}{r} 1 + 5 + 9 = 15 \\ \text{Write 5. Carry 1 into the ten-thousands.} \\ \begin{array}{r} 5368 \\ + 9953 \\ \hline 15321 \end{array} \end{array}$$

5 Final answer

$$\begin{array}{r} 5368 \\ + 9953 \\ \hline 15321 \end{array}$$

$5368 + 9953 = 15321$
15321 is the sum!

INDEPENDENT PRACTICE

Solve each one. Write the answer below the line.

1.
$$\begin{array}{r} 1713 \\ + 8604 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 1189 \\ + 2731 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 1729 \\ + 1719 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 7864 \\ + 1537 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 7540 \\ + 4043 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 9116 \\ + 4801 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 1586 \\ + 3481 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 2087 \\ + 8029 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 1916 \\ + 6403 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 4509 \\ + 7040 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 3028 \\ + 2684 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 8570 \\ + 9486 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 8784 \\ + 8115 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 5180 \\ + 2546 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7325 \\ + 2823 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 6536 \\ + 7134 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 9051 \\ + 3311 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 8196 \\ + 6478 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 8128 \\ + 1898 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 6970 \\ + 3345 \\ \hline \end{array}$$

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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EXAMPLE

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1 Add the ones

$$\begin{array}{r} 8 + 3 = 11 \\ \text{Write 1. Carry 1 into the tens.} \\ \begin{array}{r} 5368 \\ + 9953 \\ \hline 1 \end{array} \end{array}$$

2 Add the tens

$$\begin{array}{r} 1 + 6 + 5 = 12 \\ \text{Write 2. Carry 1 into the hundreds.} \\ \begin{array}{r} 5368 \\ + 9953 \\ \hline 21 \end{array} \end{array}$$

3 Add the hundreds

$$\begin{array}{r} 1 + 3 + 9 = 13 \\ \text{Write 3. Carry 1 into the thousands.} \\ \begin{array}{r} 5368 \\ + 9953 \\ \hline 321 \end{array} \end{array}$$

4 Add the thousands

$$\begin{array}{r} 1 + 5 + 9 = 15 \\ \text{Write 5. Carry 1 into the ten-thousands.} \\ \begin{array}{r} 5368 \\ + 9953 \\ \hline 15321 \end{array} \end{array}$$

5 Final answer

$$\begin{array}{r} 5368 \\ + 9953 \\ \hline 15321 \end{array}$$

$5368 + 9953 = 15321$
15321 is the sum!

INDEPENDENT PRACTICE

Solve each one. Write the answer below the line.

1.
$$\begin{array}{r} 1713 \\ + 8604 \\ \hline 10317 \end{array}$$

2.
$$\begin{array}{r} 1189 \\ + 2731 \\ \hline 3920 \end{array}$$

3.
$$\begin{array}{r} 1729 \\ + 1719 \\ \hline 3448 \end{array}$$

4.
$$\begin{array}{r} 7864 \\ + 1537 \\ \hline 9401 \end{array}$$

5.
$$\begin{array}{r} 7540 \\ + 4043 \\ \hline 11583 \end{array}$$

6.
$$\begin{array}{r} 9116 \\ + 4801 \\ \hline 13917 \end{array}$$

7.
$$\begin{array}{r} 1586 \\ + 3481 \\ \hline 5067 \end{array}$$

8.
$$\begin{array}{r} 2087 \\ + 8029 \\ \hline 10116 \end{array}$$

9.
$$\begin{array}{r} 1916 \\ + 6403 \\ \hline 8319 \end{array}$$

10.
$$\begin{array}{r} 4509 \\ + 7040 \\ \hline 11549 \end{array}$$

11.
$$\begin{array}{r} 3028 \\ + 2684 \\ \hline 5712 \end{array}$$

12.
$$\begin{array}{r} 8570 \\ + 9486 \\ \hline 18056 \end{array}$$

13.
$$\begin{array}{r} 8784 \\ + 8115 \\ \hline 16899 \end{array}$$

14.
$$\begin{array}{r} 5180 \\ + 2546 \\ \hline 7726 \end{array}$$

15.
$$\begin{array}{r} 7325 \\ + 2823 \\ \hline 10148 \end{array}$$

16.
$$\begin{array}{r} 6536 \\ + 7134 \\ \hline 13670 \end{array}$$

17.
$$\begin{array}{r} 9051 \\ + 3311 \\ \hline 12362 \end{array}$$

18.
$$\begin{array}{r} 8196 \\ + 6478 \\ \hline 14674 \end{array}$$

19.
$$\begin{array}{r} 8128 \\ + 1898 \\ \hline 10026 \end{array}$$

20.
$$\begin{array}{r} 6970 \\ + 3345 \\ \hline 10315 \end{array}$$

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