

## 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**

$$\begin{array}{r} 9 + 9 = 18 \\ \text{Write 8. Carry 1 into the tens.} \\ \begin{array}{r} 6439 \\ + 6799 \\ \hline 8 \end{array} \end{array}$$

**2 Add the tens**

$$\begin{array}{r} 1 + 3 + 9 = 13 \\ \text{Write 3. Carry 1 into the hundreds.} \\ \begin{array}{r} 6439 \\ + 6799 \\ \hline 38 \end{array} \end{array}$$

**3 Add the hundreds**

$$\begin{array}{r} 1 + 4 + 7 = 12 \\ \text{Write 2. Carry 1 into the thousands.} \\ \begin{array}{r} 6439 \\ + 6799 \\ \hline 238 \end{array} \end{array}$$

**4 Add the thousands**

$$\begin{array}{r} 1 + 6 + 6 = 13 \\ \text{Write 3. Carry 1 into the ten-thousands.} \\ \begin{array}{r} 6439 \\ + 6799 \\ \hline 13238 \end{array} \end{array}$$

**5 Final answer**

$$\begin{array}{r} 6439 \\ + 6799 \\ \hline 13238 \end{array}$$

6439 + 6799 = 13238  
13238 is the sum!

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

1. 
$$\begin{array}{r} 9559 \\ + 2378 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 8768 \\ + 5989 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 5514 \\ + 5310 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 5482 \\ + 4156 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 9390 \\ + 6158 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 1696 \\ + 5359 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 2330 \\ + 3866 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 8204 \\ + 5257 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 9992 \\ + 5883 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 6843 \\ + 5912 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 4186 \\ + 1154 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 1829 \\ + 2327 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 2248 \\ + 8533 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 6116 \\ + 3902 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 8272 \\ + 3399 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 1088 \\ + 9838 \\ \hline \end{array}$$

17. 
$$\begin{array}{r} 3582 \\ + 5942 \\ \hline \end{array}$$

18. 
$$\begin{array}{r} 7311 \\ + 7459 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 9738 \\ + 4842 \\ \hline \end{array}$$

20. 
$$\begin{array}{r} 3477 \\ + 1797 \\ \hline \end{array}$$

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.

**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**

$$9 + 9 = 18$$

Write 8. Carry 1 into the tens.

$$\begin{array}{r} 6439 \\ + 6799 \\ \hline 8 \end{array}$$

**2 Add the tens**

$$1 + 3 + 9 = 13$$

Write 3. Carry 1 into the hundreds.

$$\begin{array}{r} 11 \\ 6439 \\ + 6799 \\ \hline 38 \end{array}$$

**3 Add the hundreds**

$$1 + 4 + 7 = 12$$

Write 2. Carry 1 into the thousands.

$$\begin{array}{r} 111 \\ 6439 \\ + 6799 \\ \hline 238 \end{array}$$

**4 Add the thousands**

$$1 + 6 + 6 = 13$$

Write 3. Carry 1 into the ten-thousands.

$$\begin{array}{r} 111 \\ 6439 \\ + 6799 \\ \hline 13238 \end{array}$$

**5 Final answer**

$$\begin{array}{r} 111 \\ 6439 \\ + 6799 \\ \hline 13238 \end{array}$$

$6439 + 6799 = 13238$   
13238 is the sum!

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

1.

$$\begin{array}{r} 9559 \\ + 2378 \\ \hline 11937 \end{array}$$

2.

$$\begin{array}{r} 8768 \\ + 5989 \\ \hline 14757 \end{array}$$

3.

$$\begin{array}{r} 5514 \\ + 5310 \\ \hline 10824 \end{array}$$

4.

$$\begin{array}{r} 5482 \\ + 4156 \\ \hline 9638 \end{array}$$

5.

$$\begin{array}{r} 9390 \\ + 6158 \\ \hline 15548 \end{array}$$

6.

$$\begin{array}{r} 1696 \\ + 5359 \\ \hline 7055 \end{array}$$

7.

$$\begin{array}{r} 2330 \\ + 3866 \\ \hline 6196 \end{array}$$

8.

$$\begin{array}{r} 8204 \\ + 5257 \\ \hline 13461 \end{array}$$

9.

$$\begin{array}{r} 9992 \\ + 5883 \\ \hline 15875 \end{array}$$

10.

$$\begin{array}{r} 6843 \\ + 5912 \\ \hline 12755 \end{array}$$

11.

$$\begin{array}{r} 4186 \\ + 1154 \\ \hline 5340 \end{array}$$

12.

$$\begin{array}{r} 1829 \\ + 2327 \\ \hline 4156 \end{array}$$

13.

$$\begin{array}{r} 2248 \\ + 8533 \\ \hline 10781 \end{array}$$

14.

$$\begin{array}{r} 6116 \\ + 3902 \\ \hline 10018 \end{array}$$

15.

$$\begin{array}{r} 8272 \\ + 3399 \\ \hline 11671 \end{array}$$

16.

$$\begin{array}{r} 1088 \\ + 9838 \\ \hline 10926 \end{array}$$

17.

$$\begin{array}{r} 3582 \\ + 5942 \\ \hline 9524 \end{array}$$

18.

$$\begin{array}{r} 7311 \\ + 7459 \\ \hline 14770 \end{array}$$

19.

$$\begin{array}{r} 9738 \\ + 4842 \\ \hline 14580 \end{array}$$

20.

$$\begin{array}{r} 3477 \\ + 1797 \\ \hline 5274 \end{array}$$

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