

LONG SUBTRACTION

Subtract by Regrouping

Objective: Subtract each column. When the top digit is too small, borrow ten from the next column.

INSTRUCTION

Start with the ones. If the top number is smaller, borrow ten from the next column, cross it out, then subtract.

EXAMPLE

Follow the steps to solve it.

1 Subtract the ones

3 - 8 is too small - borrow a ten.

The tens is 0, so borrow from the hundreds first.

$$13 - 8 = 5$$

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 5 \end{array}$$

2 Subtract the tens

$$9 - 8 = 1$$

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 1 \ 5 \end{array}$$

3 Subtract the hundreds

$$6 - 0 = 6$$

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 6 \ 1 \ 5 \end{array}$$

4 Subtract the thousands

$$9 - 1 = 8$$

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 8 \ 6 \ 1 \ 5 \end{array}$$

5 Final answer

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 8 \ 6 \ 1 \ 5 \end{array}$$

$$9703 - 1088 = 8615$$

8615 is the difference

INDEPENDENT PRACTICE

Solve each one. Write the answer below the line.

1.
$$\begin{array}{r} 6 \ 0 \ 1 \ 1 \\ - 2 \ 3 \ 3 \ 5 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 9 \ 6 \ 0 \ 3 \\ - 6 \ 9 \ 8 \ 5 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 8 \ 2 \ 6 \ 8 \\ - 1 \ 2 \ 9 \ 6 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3 \ 9 \ 1 \ 8 \\ - 1 \ 0 \ 3 \ 6 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 1 \ 6 \ 8 \ 1 \\ - 1 \ 2 \ 9 \ 8 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 9 \ 7 \ 6 \ 0 \\ - 9 \ 2 \ 4 \ 1 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 9 \ 2 \ 3 \ 7 \\ - 8 \ 7 \ 3 \ 6 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 8 \ 5 \ 8 \ 3 \\ - 4 \ 6 \ 8 \ 8 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 6 \ 1 \ 8 \ 4 \\ - 3 \ 9 \ 3 \ 7 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 9 \ 7 \ 0 \ 3 \\ - 5 \ 7 \ 5 \ 9 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 7 \ 8 \ 0 \ 2 \\ - 3 \ 2 \ 1 \ 5 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 7 \ 8 \ 6 \ 4 \\ - 1 \ 8 \ 3 \ 8 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 8 \ 4 \ 0 \ 2 \\ - 5 \ 8 \ 8 \ 5 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 8 \ 0 \ 7 \ 8 \\ - 3 \ 7 \ 4 \ 7 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 9 \ 7 \ 6 \ 0 \\ - 4 \ 0 \ 0 \ 4 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 8 \ 0 \ 6 \ 7 \\ - 7 \ 2 \ 2 \ 0 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 7 \ 1 \ 5 \ 5 \\ - 5 \ 3 \ 6 \ 7 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 4 \ 9 \ 2 \ 1 \\ - 2 \ 5 \ 6 \ 4 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 7 \ 0 \ 5 \ 8 \\ - 4 \ 2 \ 9 \ 5 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 8 \ 2 \ 1 \ 6 \\ - 5 \ 2 \ 6 \ 6 \\ \hline \end{array}$$

I solved by: ☐ started with the ones ☐ borrowed a ten ☐ checked my work

TEACHER EDITION

LONG SUBTRACTION

Subtract by Regrouping

Objective: Subtract each column. When the top digit is too small, borrow ten from the next column.

INSTRUCTION

Start with the ones. If the top number is smaller, borrow ten from the next column, cross it out, then subtract.

EXAMPLE

Follow the steps to solve it.

1 Subtract the ones

3 - 8 is too small - borrow a ten.

The tens is 0, so borrow from the hundreds first.

$$13 - 8 = 5$$

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 5 \end{array}$$

2 Subtract the tens

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 1 \ 5 \end{array}$$

3 Subtract the hundreds

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 6 \ 1 \ 5 \end{array}$$

4 Subtract the thousands

$$9 - 1 = 8$$

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 8 \ 6 \ 1 \ 5 \end{array}$$

5 Final answer

$$\begin{array}{r} 6 \ 9 \ 13 \\ 9 \ 7 \ 0 \ 3 \\ - 1 \ 0 \ 8 \ 8 \\ \hline 8 \ 6 \ 1 \ 5 \end{array}$$

$$9703 - 1088 = 8615$$

8615 is the difference

INDEPENDENT PRACTICE

Solve each one. Write the answer below the line.

1.
$$\begin{array}{r} 6 \ 0 \ 1 \ 1 \\ - 2 \ 3 \ 3 \ 5 \\ \hline 3 \ 6 \ 7 \ 6 \end{array}$$

2.
$$\begin{array}{r} 9 \ 6 \ 0 \ 3 \\ - 6 \ 9 \ 8 \ 5 \\ \hline 2 \ 6 \ 1 \ 8 \end{array}$$

3.
$$\begin{array}{r} 8 \ 2 \ 6 \ 8 \\ - 1 \ 2 \ 9 \ 6 \\ \hline 6 \ 9 \ 7 \ 2 \end{array}$$

4.
$$\begin{array}{r} 3 \ 9 \ 1 \ 8 \\ - 1 \ 0 \ 3 \ 6 \\ \hline 2 \ 8 \ 8 \ 2 \end{array}$$

5.
$$\begin{array}{r} 1 \ 6 \ 8 \ 1 \\ - 1 \ 2 \ 9 \ 8 \\ \hline 3 \ 8 \ 3 \end{array}$$

6.
$$\begin{array}{r} 9 \ 7 \ 6 \ 0 \\ - 9 \ 2 \ 4 \ 1 \\ \hline 5 \ 1 \ 9 \end{array}$$

7.
$$\begin{array}{r} 9 \ 2 \ 3 \ 7 \\ - 8 \ 7 \ 3 \ 6 \\ \hline 5 \ 0 \ 1 \end{array}$$

8.
$$\begin{array}{r} 8 \ 5 \ 8 \ 3 \\ - 4 \ 6 \ 8 \ 8 \\ \hline 3 \ 8 \ 9 \ 5 \end{array}$$

9.
$$\begin{array}{r} 6 \ 1 \ 8 \ 4 \\ - 3 \ 9 \ 3 \ 7 \\ \hline 2 \ 2 \ 4 \ 7 \end{array}$$

10.
$$\begin{array}{r} 9 \ 7 \ 0 \ 3 \\ - 5 \ 7 \ 5 \ 9 \\ \hline 3 \ 9 \ 4 \ 4 \end{array}$$

11.
$$\begin{array}{r} 7 \ 8 \ 0 \ 2 \\ - 3 \ 2 \ 1 \ 5 \\ \hline 4 \ 5 \ 8 \ 7 \end{array}$$

12.
$$\begin{array}{r} 7 \ 8 \ 6 \ 4 \\ - 1 \ 8 \ 3 \ 8 \\ \hline 6 \ 0 \ 2 \ 6 \end{array}$$

13.
$$\begin{array}{r} 8 \ 4 \ 0 \ 2 \\ - 5 \ 8 \ 8 \ 5 \\ \hline 2 \ 5 \ 1 \ 7 \end{array}$$

14.
$$\begin{array}{r} 8 \ 0 \ 7 \ 8 \\ - 3 \ 7 \ 4 \ 7 \\ \hline 4 \ 3 \ 3 \ 1 \end{array}$$

15.
$$\begin{array}{r} 9 \ 7 \ 6 \ 0 \\ - 4 \ 0 \ 0 \ 4 \\ \hline 5 \ 7 \ 5 \ 6 \end{array}$$

16.
$$\begin{array}{r} 8 \ 0 \ 6 \ 7 \\ - 7 \ 2 \ 2 \ 0 \\ \hline 8 \ 4 \ 7 \end{array}$$

17.
$$\begin{array}{r} 7 \ 1 \ 5 \ 5 \\ - 5 \ 3 \ 6 \ 7 \\ \hline 1 \ 7 \ 8 \ 8 \end{array}$$

18.
$$\begin{array}{r} 4 \ 9 \ 2 \ 1 \\ - 2 \ 5 \ 6 \ 4 \\ \hline 2 \ 3 \ 5 \ 7 \end{array}$$

19.
$$\begin{array}{r} 7 \ 0 \ 5 \ 8 \\ - 4 \ 2 \ 9 \ 5 \\ \hline 2 \ 7 \ 6 \ 3 \end{array}$$

20.
$$\begin{array}{r} 8 \ 2 \ 1 \ 6 \\ - 5 \ 2 \ 6 \ 6 \\ \hline 2 \ 9 \ 5 \ 0 \end{array}$$

I solved by: ☐ started with the ones ☐ borrowed a ten ☐ checked my work