

# 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**

0 - 8 is too small - borrow a ten.  
The tens is 0, so borrow from the hundreds first.  
 $10 - 8 = 2$

$$\begin{array}{r} 7 \ 9 \ 10 \\ \cancel{0} \ \cancel{0} \ \cancel{0} \\ - 2 \ 8 \ 8 \\ \hline 2 \end{array}$$

**2 Subtract the tens**

$9 - 8 = 1$

$$\begin{array}{r} 7 \ 9 \ 10 \\ \cancel{0} \ \cancel{0} \ \cancel{0} \\ - 2 \ 8 \ 8 \\ \hline 1 \ 2 \end{array}$$

**3 Subtract the hundreds**

$7 - 2 = 5$

$$\begin{array}{r} 7 \ 9 \ 10 \\ \cancel{0} \ \cancel{0} \ \cancel{0} \\ - 2 \ 8 \ 8 \\ \hline 5 \ 1 \ 2 \end{array}$$

**4 Final answer**

$$\begin{array}{r} 7 \ 9 \ 10 \\ \cancel{0} \ \cancel{0} \ \cancel{0} \\ - 2 \ 8 \ 8 \\ \hline 5 \ 1 \ 2 \end{array}$$

$800 - 288 = 512$   
512 is the difference!

**INDEPENDENT PRACTICE**

Solve each one. Write the answer below the line.

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

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

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

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

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

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

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

8. 
$$\begin{array}{r} 7 \ 5 \ 4 \\ - 1 \ 6 \ 6 \\ \hline \end{array}$$

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

10. 
$$\begin{array}{r} 6 \ 7 \ 5 \\ - 6 \ 5 \ 9 \\ \hline \end{array}$$

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

12. 
$$\begin{array}{r} 9 \ 8 \ 4 \\ - 4 \ 6 \ 7 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 7 \ 5 \ 3 \\ - 2 \ 9 \ 5 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 7 \ 4 \ 2 \\ - 3 \ 2 \ 4 \\ \hline \end{array}$$

15. 
$$\begin{array}{r} 4 \ 1 \ 8 \\ - 2 \ 2 \ 6 \\ \hline \end{array}$$

16. 
$$\begin{array}{r} 6 \ 0 \ 6 \\ - 1 \ 5 \ 6 \\ \hline \end{array}$$

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

18. 
$$\begin{array}{r} 8 \ 2 \ 7 \\ - 2 \ 6 \ 2 \\ \hline \end{array}$$

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

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

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

TEACHER EDITION

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0 - 8 is too small - borrow a ten.  
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**3 Subtract the hundreds**

7 - 2 = 5

$$\begin{array}{r} 7 \ 9 \ 10 \\ \cancel{8} \ \cancel{0} \ \cancel{0} \\ - 2 \ 8 \ 8 \\ \hline 5 \ 1 \ 2 \end{array}$$

**4 Final answer**

$$\begin{array}{r} 7 \ 9 \ 10 \\ \cancel{8} \ \cancel{0} \ \cancel{0} \\ - 2 \ 8 \ 8 \\ \hline 5 \ 1 \ 2 \end{array}$$

800 - 288 = 512  
512 is the difference!

**INDEPENDENT PRACTICE**

Solve each one. Write the answer below the line.

- |   |   |   |   |
|---|---|---|---|
| 1. $\begin{array}{r} 6 \ 9 \ 1 \\ - 3 \ 2 \ 5 \\ \hline 3 \ 6 \ 6 \end{array}$  | 2. $\begin{array}{r} 6 \ 4 \ 8 \\ - 1 \ 9 \ 9 \\ \hline 4 \ 4 \ 9 \end{array}$  | 3. $\begin{array}{r} 8 \ 1 \ 7 \\ - 6 \ 7 \ 6 \\ \hline 1 \ 4 \ 1 \end{array}$  | 4. $\begin{array}{r} 6 \ 1 \ 2 \\ - 4 \ 8 \ 7 \\ \hline 1 \ 2 \ 5 \end{array}$  |
| 5. $\begin{array}{r} 8 \ 3 \ 4 \\ - 5 \ 4 \ 9 \\ \hline 2 \ 8 \ 5 \end{array}$  | 6. $\begin{array}{r} 4 \ 9 \ 3 \\ - 2 \ 0 \ 4 \\ \hline 2 \ 8 \ 9 \end{array}$  | 7. $\begin{array}{r} 8 \ 5 \ 5 \\ - 7 \ 5 \ 6 \\ \hline 9 \ 9 \end{array}$      | 8. $\begin{array}{r} 7 \ 5 \ 4 \\ - 1 \ 6 \ 6 \\ \hline 5 \ 8 \ 8 \end{array}$  |
| 9. $\begin{array}{r} 7 \ 7 \ 3 \\ - 5 \ 8 \ 4 \\ \hline 1 \ 8 \ 9 \end{array}$  | 10. $\begin{array}{r} 6 \ 7 \ 5 \\ - 6 \ 5 \ 9 \\ \hline 1 \ 6 \end{array}$     | 11. $\begin{array}{r} 8 \ 2 \ 0 \\ - 1 \ 1 \ 1 \\ \hline 7 \ 0 \ 9 \end{array}$ | 12. $\begin{array}{r} 9 \ 8 \ 4 \\ - 4 \ 6 \ 7 \\ \hline 5 \ 1 \ 7 \end{array}$ |
| 13. $\begin{array}{r} 7 \ 5 \ 3 \\ - 2 \ 9 \ 5 \\ \hline 4 \ 5 \ 8 \end{array}$ | 14. $\begin{array}{r} 7 \ 4 \ 2 \\ - 3 \ 2 \ 4 \\ \hline 4 \ 1 \ 8 \end{array}$ | 15. $\begin{array}{r} 4 \ 1 \ 8 \\ - 2 \ 2 \ 6 \\ \hline 1 \ 9 \ 2 \end{array}$ | 16. $\begin{array}{r} 6 \ 0 \ 6 \\ - 1 \ 5 \ 6 \\ \hline 4 \ 5 \ 0 \end{array}$ |
| 17. $\begin{array}{r} 8 \ 5 \ 7 \\ - 7 \ 6 \ 7 \\ \hline 9 \ 0 \end{array}$     | 18. $\begin{array}{r} 8 \ 2 \ 7 \\ - 2 \ 6 \ 2 \\ \hline 5 \ 6 \ 5 \end{array}$ | 19. $\begin{array}{r} 7 \ 7 \ 3 \\ - 4 \ 8 \ 6 \\ \hline 2 \ 8 \ 7 \end{array}$ | 20. $\begin{array}{r} 9 \ 2 \ 1 \\ - 6 \ 6 \ 6 \\ \hline 2 \ 5 \ 5 \end{array}$ |

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