

Subtract Across Zeros

Name: _____

Grade 4 · Subtract when the top number has zeros in it

Worked example

$$\begin{array}{r} 5,000 \\ - 2,376 \\ \hline 2,624 \end{array}$$

There are no ones, tens or hundreds to take from, so regroup one of the thousands: 5,000 is the same as 4 thousands, 9 hundreds, 9 tens and 10 ones. Now subtract each place.

A shortcut: take 1 from both numbers first. $4,999 - 2,375$ has no regrouping and gives the same answer, 2,624. It works best when the top number ends in all zeros.

1.

$$\begin{array}{r} 3,000 \\ - 1,264 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 7,000 \\ - 4,538 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 6,004 \\ - 2,759 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 8,010 \\ - 3,642 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 40,000 \\ - 17,385 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 50,006 \\ - 23,418 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 70,300 \\ - 26,475 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 90,000 \\ - 58,263 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 300,000 \\ - 124,856 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 500,200 \\ - 263,471 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 800,000 \\ - 357,219 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 600,040 \\ - 278,563 \\ \hline \end{array}$$

Subtract Across Zeros (Answer Key)

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Worked example

$$\begin{array}{r} 5,000 \\ - 2,376 \\ \hline 2,624 \end{array}$$

There are no ones, tens or hundreds to take from, so regroup one of the thousands: 5,000 is the same as 4 thousands, 9 hundreds, 9 tens and 10 ones. Now subtract each place.

A shortcut: take 1 from both numbers first. $4,999 - 2,375$ has no regrouping and gives the same answer, 2,624. It works best when the top number ends in all zeros.

1.

$$\begin{array}{r} 3,000 \\ - 1,264 \\ \hline 1,736 \end{array}$$

2.

$$\begin{array}{r} 7,000 \\ - 4,538 \\ \hline 2,462 \end{array}$$

3.

$$\begin{array}{r} 6,004 \\ - 2,759 \\ \hline 3,245 \end{array}$$

4.

$$\begin{array}{r} 8,010 \\ - 3,642 \\ \hline 4,368 \end{array}$$

5.

$$\begin{array}{r} 40,000 \\ - 17,385 \\ \hline 22,615 \end{array}$$

6.

$$\begin{array}{r} 50,006 \\ - 23,418 \\ \hline 26,588 \end{array}$$

7.

$$\begin{array}{r} 70,300 \\ - 26,475 \\ \hline 43,825 \end{array}$$

8.

$$\begin{array}{r} 90,000 \\ - 58,263 \\ \hline 31,737 \end{array}$$

9.

$$\begin{array}{r} 300,000 \\ - 124,856 \\ \hline 175,144 \end{array}$$

10.

$$\begin{array}{r} 500,200 \\ - 263,471 \\ \hline 236,729 \end{array}$$

11.

$$\begin{array}{r} 800,000 \\ - 357,219 \\ \hline 442,781 \end{array}$$

12.

$$\begin{array}{r} 600,040 \\ - 278,563 \\ \hline 321,477 \end{array}$$