

Add and Subtract 3 - Digit and 4 - Digit Numbers

You may need to regroup when adding or subtracting. A grid can help you to regroup neatly. Record your regrouping in the top 2 rows.

	1		1	
	4,	5	6	7
+	2,	6	1	8
<hr/>				
	7,	1	8	5

		12	10	
	3	7	0	12
	4 ,	3	1	8
-	2,	6	1	8
<hr/>				
	1,	6	9	4

You can find the difference of two numbers by writing the digits of the two numbers in the correct place value order.

To subtract the two numbers $6,000 - 3,475$, we will follow the steps:

Round the numbers to estimate: $6,000 - 3,000 = 3,000$

STEP 1

5 10

Regroup 6 thousands as 5 thousands, 10 hundreds.

$$\begin{array}{r} 6, \cancel{0} \cancel{0} 0 \\ - 3,475 \\ \hline \end{array}$$

STEP 2

9
5 ~~10~~ 10

Regroup 10 hundreds as 9 hundreds, 10 tens.

$$\begin{array}{r} 6, \cancel{0} \cancel{0} 0 \\ - 3,475 \\ \hline \end{array}$$

STEP 3

$$\begin{array}{r} 9 \ 9 \\ 5 \cancel{10} \ \cancel{10} \ 10 \end{array}$$

Regroup 10 tens as 9 tens, 10 ones.

$$\begin{array}{r} 6, \cancel{0} \ \cancel{0} \ 0 \\ - \ 3,4 \ 7 \ 5 \\ \hline \end{array}$$

STEP 4

$$\begin{array}{r} 9 \ 9 \\ 5 \cancel{10} \ \cancel{10} \ 10 \end{array}$$

Subtract.

$$\begin{array}{r} 6, \cancel{0} \ \cancel{0} \ 0 \\ - \ 3,4 \ 7 \ 5 \\ \hline 2,5 \ 2 \ 5 \end{array}$$

Since 2,525 is close to the estimate 3,000, the answer is reasonable.

Examples:

A- Find the sum or difference.

$$\begin{array}{r} 1) \ 3,567 \\ +2,682 \\ \hline 6,249 \end{array}$$

$$\begin{array}{r} 2) \ 5,895 \\ -4,362 \\ \hline 1,533 \end{array}$$

$$\begin{array}{r} 3) \ 7,435 \\ -6,314 \\ \hline 1,121 \end{array}$$

$$\begin{array}{r} 4) \ 1,281 \\ +7,527 \\ \hline 8,808 \end{array}$$

B-Find the difference.

$$\begin{array}{r} 5) \ 4,000 \\ -2,362 \\ \hline 1,638 \end{array}$$

$$\begin{array}{r} 6) \ 12,000 \\ -9,745 \\ \hline 2,255 \end{array}$$

$$\begin{array}{r} 7) \ 27,000 \\ -15,926 \\ \hline 11,074 \end{array}$$

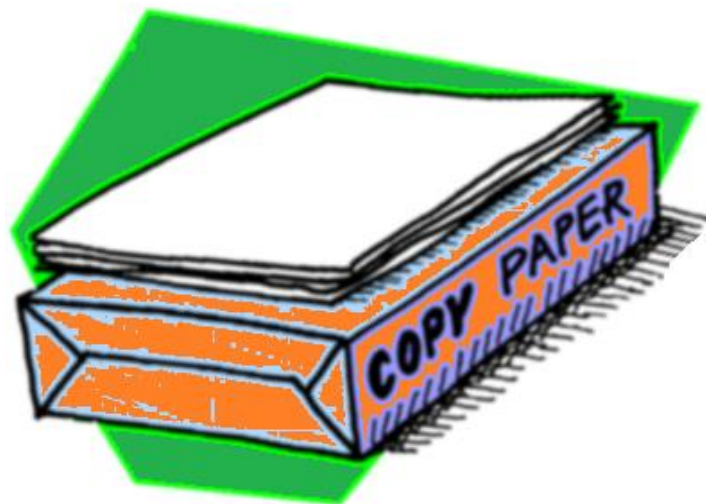
My Real Life

A- The number of travelers from Dubai airport was 12,652 on Sunday and 9,381 on Monday. How many persons travelled during both days?



$$12,652 + 9,381 = 22,033 \text{ persons.}$$

B- There were 1000 papers in the pack. Sandy used 456 papers. How many papers were left?



$$1000 - 456 = 544 \text{ papers}$$