

Place Value: 4 Digits

Numbers aren't always written with digits. Numbers can be written in other forms too.

The following number forms all represent the same number:

Standard form: 1,409

Expanded form: $1,000 + 400 + 9$

Word form: one thousand, four hundred nine.

Write $1,000 + 300 + 8$, in standard form.

Use place value chart:

THOUSANDS	HUNDREDS	TENS	ONES
1,	3	0	8
1,000 = one thousand, so put 1 in the thousands place.	300 = three hundred, so put 3 in the hundreds place.	There is no number written for the tens place, the tens value is zero.	8 = eight ones, so put 8 in the ones place.

So, the standard form of $1,000 + 300 + 8$ is 1,308.

Write two thousand, thirty-four in standard form.

THOUSANDS	HUNDREDS	TENS	ONES
2,	0	3	4
2,000 = Two thousands, so put 2 in the thousands place.	There is no number written in the hundreds so put 0 in the hundreds place.	Thirty = 30, so put 3 in the tens place.	Four = 4, so put 4 in the ones place.

So, the standard form of two thousand, thirty-four is 2,034.

Examples:

A- Write each number in standard form.

1) $9,000 + 700 + 30 + 1$ 9,731

2) $1,000 + 20 + 4$ 1,024

3) Eight thousand, five hundred two 8,502

4) Seven thousand, three hundred ninety -one 7,391

B- Write each number in expanded form.

5) One thousand, eighteen $1,000 + 10 + 8$

6) Six thousand, four $6,000 + 4$

7) 4,502 $4,000 + 500 + 2$

8) 2,389 $2,000 + 300 + 80 + 9$

My Real Life

A- Mr. Henry drove 3,978 miles in one week. What is the value of the digit 3 in 3,978?

The value of the digit 3 in 3,978 is 3,000

B- The library has 7,163 children's books. How do you write 7,163 in expanded form?

7,163 in expanded form is $7,000 + 100 + 60 + 3$