

Understand Place Value

The number 391,568 may be easier to read and write if you use a place-value chart.

Thousands				Ones		
Hundreds	Tens	Ones		Hundreds	Tens	Ones
3	0	0	,	0	0	0
	9	0	,	0	0	0
		1	,	0	0	0
-----				5	0	0
					6	0
						8

Standard form: 391,568

Expanded form: 300,000 + 90,000 + 1,000 + 500 + 60 + 8

Word form: Three hundred ninety-one thousand, five hundred sixty-eight

Write the number in the place-value chart. Then write the number in expanded form.

1. 716,583

Thousands				Ones		
H	T	O		H	T	O

2. 78,056

Thousands				Ones		
H	T	O		H	T	O

Use the place-value chart to help you write the value of the **bold faced** digit.

3. **5**8,346

4. 7**2**3,308

5. 4**6**8,005

6. 4**2**0,822

Name _____

Millions and Billions

You can use a place-value chart to help you read and write greater numbers such as 721,306,984.

Millions			Thousands			Ones		
H	T	O	H	T	O	H	T	O
7	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0
		1	0	0	0	0	0	0
			3	0	0	0	0	0
				0	0	0	0	0
					6	0	0	0
						9	0	0
							8	0
								4

seven hundred
twenty-one million,

three hundred six
thousand,

nine hundred
eighty-four

Standard form: 721,306,984

Expanded form: $700,000,000 + 20,000,000 + 1,000,000 + 300,000 + 6,000 + 900 + 80 + 4$

Word form: seven hundred twenty-one million, three hundred six thousand, nine hundred eighty-four

Write the number in word form.

1. 2,267,025,142

2. 702,326,500

Write the number in standard form.

3. $600,000,000 + 50,000,000 + 9,000,000 + 800,000 + 40,000 + 3,000 + 700 + 1$

4. three billion, eight hundred six million, four hundred eighty-six thousand, two hundred twenty-six

Name _____

Compare and Order

You can use a place-value chart to compare and order numbers. Compare the digits from left to right.

Thousands			Ones		
H	T	O	H	T	O
3	2	2	6	7	8
3	4	2	1	9	8
3	2	2	5	0	1

↑ ↑ ↑ ↑
 same 4 > 2 same 6 > 5

So, $342,198 > 322,678 > 322,501$.

Since $4 > 2$, 342,198 is the greatest number.

Continue to compare with the remaining two numbers.

Since $6 > 5$, $322,678 > 322,501$.

Complete the place-value chart. Write $<$, $>$, or $=$ in each \bigcirc .

1.

Thousands			Ones		
H	T	O	H	T	O

$375,841 \bigcirc 367,841$

2.

Thousands			Ones		
H	T	O	H	T	O

$677,860 \bigcirc 677,860$

3.

Thousands			Ones		
H	T	O	H	T	O

$467,935 \bigcirc 476,935$

4.

Thousands			Ones		
H	T	O	H	T	O

$986,496 \bigcirc 986,495$

Order the numbers from greatest to least.

5. 26,988; 28,688; 28,986

6. 144,421; 144,321; 145,221

7. 532,124; 58,124; 532,876

8. 45,342,523; 45,342,876; 49,123,563
