

Practice: Converting Between Number Forms

Name: _____

Date: _____

Question 1

Convert to word form and reduced expanded notation

I. 305,000

Place Value Chart														
trillions			billions			millions			thousands			ones		
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones

Reduced Expanded Notation:

Word Form:

II. 13,792,660

Place Value Chart														
trillions			billions			millions			thousands			ones		
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones

Reduced Expanded Notation:

Word Form:

Practice: Converting Between Number Forms

Question 2

Convert to standard notation and word form

I. 8 billions + 4 hundred millions + 1 million + 3 hundreds + 3 tens + 3 ones

Standard Notation:

Word Form:

II. 3 hundred thousands + 4 ten thousands + 1 thousand + 2 hundreds + 5 ones

Standard Notation:

Word Form:

Practice: Converting Between Number Forms

Question 3

Convert to standard notation and reduced expanded notation

I. seven hundred trillion, seventy-six billion, four hundred eleven million

Reduced Expanded Notation:

Standard Notation:

II. four hundred forty-four million, four hundred four thousand, four hundred forty

Reduced Expanded Notation:

Standard Notation:

Practice: Converting Between Number Forms

Question 4

Convert from expanded notation to reduced expanded notation

I. 8 thousands + 0 hundreds + 0 tens + 8 ones

Reduced Expanded Notation:

II. 2 ten millions + 0 millions + 0 hundred thousands + 1 ten thousand + 0 thousands + 5 hundreds + 5 tens + 5 ones

Reduced Expanded Notation:

III. 3 hundreds + 6 tens + 5 ones

Reduced Expanded Notation:

Practice: Converting Between Number Forms

Question 5

Convert from reduced expanded notation to expanded notation

I. 8 trillions

Expanded Notation:

II. 7 hundred millions + 7 hundred thousands + 7 hundreds

Expanded Notation:

III. 4 hundreds + 4 tens + 4 ones

Expanded Notation:

Practice: Converting Between Number Forms

Name: _____ **Key** _____

Date: _____

Question 1

Convert to word form and reduced expanded notation

I. 305,000

word form:

three hundred five thousand

reduced expanded notation:

Place Value Chart														
trillions			billions			millions			thousands			ones		
									3	0	5	0	0	0
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones

expanded notation

3 hundred thousands + 0 ten thousands + 5 thousands + 0 hundreds + 0 tens + 0 ones



3 hundred thousands + ~~0 ten thousands~~ + 5 thousands + ~~0 hundreds~~ + ~~0 tens~~ + ~~0 ones~~



3 hundred thousands + 5 thousands

reduced expanded notation

Reduced Expanded Notation: 3 hundred thousands + 5 thousands

Word Form: three hundred five thousand

II. 13,792,660

word form:

thirteen million, seven hundred ninety-two thousand,
six hundred sixty

reduced expanded notation:

Place Value Chart														
trillions			billions			millions			thousands			ones		
							1	3	7	9	2	6	6	0
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones

expanded notation

1 ten million + 3 millions + 7 hundred thousands + 9 ten thousands + 2 thousands + 6 hundreds + 6 tens + 0 ones



1 ten million + 3 millions + 7 hundred thousands + 9 ten thousands + 2 thousands + 6 hundreds + 6 tens + ~~0 ones~~



1 ten million + 3 millions + 7 hundred thousands + 9 ten thousands + 2 thousands + 6 hundreds + 6 tens

reduced expanded notation

Reduced Expanded Notation: 1 ten million + 3 millions + 7 hundred thousands + 9 ten thousands + 2 thousands + 6 hundreds + 6 tens

Word Form: thirteen million, seven hundred ninety-two thousand, six hundred sixty

Practice: Converting Between Number Forms

Question 2

Convert to standard notation and word form

- I. 8 billions + 4 hundred millions + 1 million + 3 hundreds + 3 tens + 3 ones

reduced expanded notation

8 billions + 4 hundred millions + 1 million + 3 hundreds + 3 tens + 3 ones

expanded notation

8 billions + 4 hundred millions + 0 ten millions + 1 million + 0 hundred thousands + 0 ten thousands + 0 thousands + 3 hundreds + 3 tens + 3 ones



standard notation:

8,401,000,333

word form:

eight billion, four hundred one million, three hundred thirty-three

Standard Notation: 8,401,000,333

Word Form: eight billion, four hundred one million, three hundred thirty-three

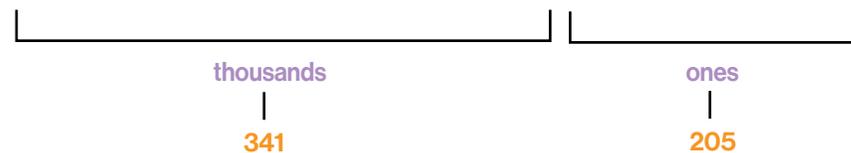
- II. 3 hundred thousands + 4 ten thousands + 1 thousand + 2 hundreds + 5 ones

reduced expanded notation

3 hundred thousands + 4 ten thousands + 1 thousand + 2 hundreds + 5 ones

expanded notation

3 hundred thousands + 4 ten thousands + 1 thousand + 2 hundreds + 0 tens + 5 ones



standard notation:

341,205

word form:

three hundred forty-one thousand, two hundred five

Standard Notation: 341,205

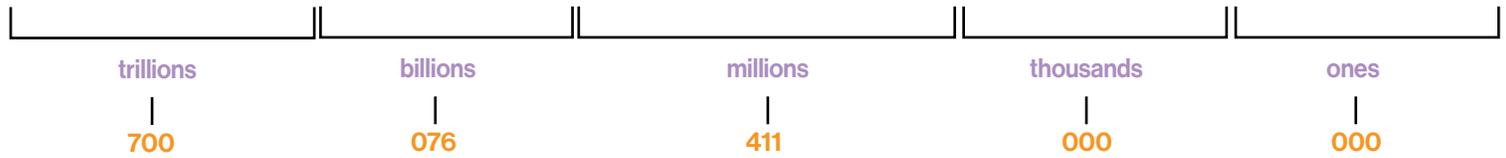
Word Form: three hundred forty-one thousand, two hundred five

Practice: Converting Between Number Forms

Question 3

Convert to standard notation and reduced expanded notation

I. seven hundred trillion, seventy-six billion, four hundred eleven million



standard notation:

700,076,411,000,000

reduced expanded form:

expanded notation
7 hundred trillions + 0 ten trillions + 0 trillions + 0 hundred billions + 7 ten billions + 6 billions + 4 hundred millions + 1 ten million + 1 million + 0 hundred thousands + 0 ten thousands + 0 thousands + 0 hundreds + 0 tens + 0 ones

7 hundred trillions + ~~0 ten trillions~~ + ~~0 trillions~~ + ~~0 hundred billions~~ + 7 ten billions + 6 billions + 4 hundred millions + 1 ten million + 1 million + ~~0 hundred thousands~~ + ~~0 ten thousands~~ + ~~0 thousands~~ + ~~0 hundreds~~ + ~~0 tens~~ + ~~0 ones~~

7 hundred trillions + 7 ten billions + 6 billions + 4 hundred millions + 1 ten million + 1 million
reduced expanded notation

Reduced Expanded Notation: 7 hundred trillions + 7 ten billions + 6 billions + 4 hundred millions + 1 ten million + 1 million

Standard Notation: 700,076,411,000,000

II. four hundred forty-four million, four hundred four thousand, four hundred forty



standard notation:

444,404,440

reduced expanded form:

expanded notation
4 hundred millions + 4 ten millions + 4 millions + 4 hundred thousands + 0 ten thousands + 4 thousands + 4 hundreds + 4 tens + 0 ones

4 hundred millions + 4 ten millions + 4 millions + 4 hundred thousands + ~~0 ten thousands~~ + 4 thousands + 4 hundreds + 4 tens + ~~0 ones~~

4 hundred millions + 4 ten millions + 4 millions + 4 hundred thousands + 4 thousands + 4 hundreds + 4 tens
reduced expanded notation

Reduced Expanded Notation: 4 hundred millions + 4 ten millions + 4 millions + 4 hundred thousands + 4 thousands + 4 hundreds + 4 tens

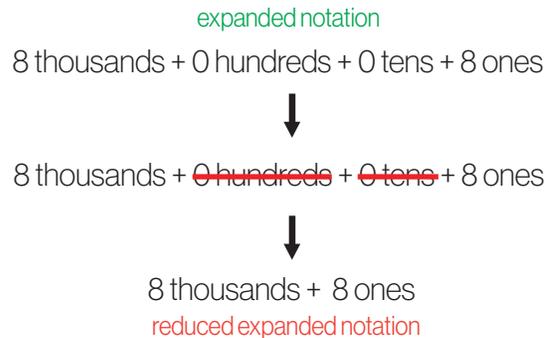
Standard Notation: 444,404,440

Practice: Converting Between Number Forms

Question 4

Convert from expanded notation to reduced expanded notation

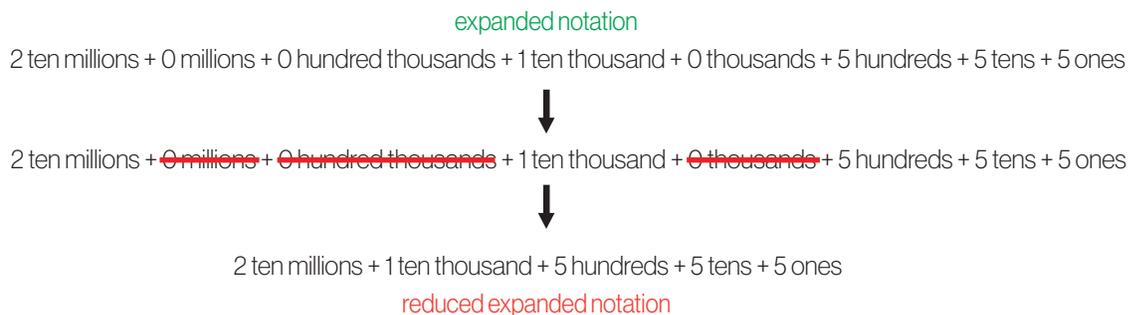
I. 8 thousands + 0 hundreds + 0 tens + 8 ones



Reduced Expanded Notation:

8 thousands + 8 ones

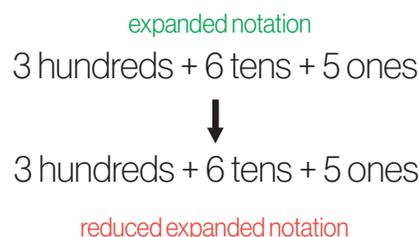
II. 2 ten millions + 0 millions + 0 hundred thousands + 1 ten thousand + 0 thousands + 5 hundreds + 5 tens + 5 ones



Reduced Expanded Notation:

2 ten millions + 1 ten thousand + 5 hundreds + 5 tens + 5 ones

III. 3 hundreds + 6 tens + 5 ones



Reduced Expanded Notation:

3 hundreds + 6 tens + 5 ones

Practice: Converting Between Number Forms

Question 5

Convert from reduced expanded notation to expanded notation

I. 8 trillions

reduced expanded notation

8 trillions



8 trillions + 0 hundred billions + 0 ten billions + 0 billions + 0 hundred millions + 0 ten millions + 0 millions + 0 hundred thousands + 0 ten thousands + 0 thousands + 0 hundreds + 0 tens + 0 ones

expanded notation

Expanded Notation:

8 trillions + 0 hundred billions + 0 ten billions + 0 billions + 0 hundred millions + 0 ten millions + 0 millions + 0 hundred thousands + 0 ten thousands + 0 thousands + 0 hundreds + 0 tens + 0 ones

II. 7 hundred millions + 7 hundred thousands + 7 hundreds

reduced expanded notation

7 hundred millions + 7 hundred thousands + 7 hundreds



7 hundred millions + 0 ten millions + 0 millions + 7 hundred thousands + 0 ten thousands + 0 thousands + 7 hundreds + 0 tens + 0 ones

expanded notation

Expanded Notation:

7 hundred millions + 0 ten millions + 0 millions + 7 hundred thousands + 0 ten thousands + 0 thousands + 7 hundreds + 0 tens + 0 ones

III. 4 hundreds + 4 tens + 4 ones

reduced expanded notation

4 hundreds + 4 tens + 4 ones



4 hundreds + 4 tens + 4 ones

expanded notation

Expanded Notation:

4 hundreds + 4 tens + 4 ones