

CHECK IN 4.NR.1

4.NR.1.1

1. What is 8,123 written in expanded form?

- A. $8,000 + 100 + 20 + 3$ C. $800 + 100 + 20 + 3$
B. $8,000 + 20 + 3$ D. $8,000 + 100 + 23$

2. What is the correct standard form of $700,000 + 5,000 + 90$?

- A. 75,590 C. 700,509
B. 705,090 D. 7,590

4.NR.1.2

3. Tammy has ten times the amount of money that her brother Sam has. Sam has 70 dollars. How much money does Tammy have?

- A. 70 B. 7,000 C. 700 D. 70,000

4. The value of the "5" in the hundreds place in the number 96,585 is worth _____ times the value of the "5" in the ones place.

- A. 10 B. 100 C. 1000 D. 10,000

4.NR.1.3

Use $>$, $<$, or $=$ to make each number sentence below true:

5. $181,789$ \bigcirc $181,079$ 6. $302,090$ \bigcirc $320,909$

4.NR.1.4

7. Which number below rounds to 600 when rounded to the nearest hundred?

- A. 535 B. 540 C. 599 D. 549

8. Which number below rounds to 70 when rounded to the nearest ten?

- A. 75 B. 71 C. 76 D. 79

4.NR.1.1 Read and Write Multi-Digit Whole Numbers

Expectations: Read and write multi-digit whole numbers to the hundred-thousands place using base-ten (standard) numerals and expanded form.

Learn About It!

A whole number is a number that does not contain any decimal numbers. There are three different ways that **whole numbers** can be written: **base-ten (standard) form, expanded form, and word form. In fourth grade we will focus on base-ten (standard form) and expanded form.**

See It!

See the ways that whole numbers can be written:

Standard form (base-ten)

Expanded form

Word form

**Base-Ten
Standard Form**

23,897

Expanded Form

$20,000 + 3,000 + 800$
 $+ 90 + 7$

4.NR.1.1 Read and Write Multi-Digit Whole Numbers

Expanded Form – add the values of each digit

See It!

Let's look at the number 954

This number is a three-digit number made up of hundreds, tens, and ones.

How many hundreds are there in 954?



9 - 9 hundreds look like this: 900

How many tens are there in 954?



5 - 5 tens look like this: 50

How many ones are there in 954?



4 - 4 ones look like this: 4

So, to write the expanded form of 954 add each value:

$$900 + 50 + 4$$

Look at this method!

Another way: $7,321 \quad 7,321 \quad 7,321 \quad 7,321$
 $7,000 + 300 + 20 + 1$

4.NR.1.1 Read and Write Multi-Digit Whole Numbers

Learn About It!

A place value chart can also help you read and write whole numbers. The **place value** of a number is the name of the position where the number is located. The place value position of the number will help you determine the **value**, or worth, of the number.

Place Value: Use a place value chart to help you determine the position of a number. The position will also help you determine the value or what the number is worth.

See It! Look at the place value chart below.

Hundred Thousands	Tens Thousands	Thousands	'	Hundreds	Tens	Ones
6	7	2	,	4	8	9

What is the **place value position** of the digit "7"?

Ten Thousands

What is the **place value position** of the digit "4"? Hundreds

Your Turn! Circle each correct answer below.

What is the **place value position** of the digit "8"?

ones tens hundreds

What is the **place value position** of the digit "6"?

hundred thousands ones tens

What is the **place value position** of the digit "9"?

ones tens hundreds

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Let's Try Another One!

A. Fill in the place value chart according to the directions given.

1. Place a "5" in the **ten thousands** position.
2. Place a "4" in the **hundreds** position.
3. Place a "2" in the **hundred thousands** position.
4. Place a "6" in the **tens** position.
5. Place a "9" in the **thousands** position.
6. Place a "7" in the **ones** position.

Hundred Thousands	Tens Thousands	Thousands	'	Hundreds	Tens	Ones
			,			

B. Write the number you made above in **standard form.**

C. Write the number you made above in **expanded form.**

4.NR.1.1 Read and Write Multi-Digit Whole Numbers

See It!

Missing place values!

Sometimes there are "missing" place values. This is when a "0" falls into that place value. Oftentimes we want to skip that place value. All that will do is make our answer incorrect.

Example: $7,000 + 30 + 6$

Look at the first numeral: 7,000

How many digits are in the numeral 7,000? 4

So, our answer will have 4 digits!

Even if you only see 3 numerals that we are adding together, we still need 4 digits because the number with the GREATEST place value is a 4-digit number

We still have four place value positions to fill.

 7 , 0 3 6

thousands, hundreds, tens, ones

In which place value did you place a "0" to "hold" that place value "spot"? _____

You Try It! $6,000 + 80 + 9$

Your number MUST have 4 digits since the highest place value has 4 digits.

_____, _____

4.NR.1.1 Read and Write Multi-Digit Whole Numbers

Practice It!

A. Write each whole number below in **expanded form**.

1. 23,567

2. 607,345

3. 546,119

4. 421,088

5. 423,112

6. 78,379

B. Write each **expanded form numeral into standard form**.

7. $3,000 + 400 + 20 + 7 =$ _____

8. $40,000 + 3,000 + 70 + 8 =$ _____

9. 423,112

10. 78,379

C. Read each sentence below and follow the directions.

11. There are 812 students enrolled in Coweta Elementary
Write the number 812 in **expanded form**. _____

12. The Atlanta Stadium holds sixty-four thousand, twenty-five
seats. Write that number in **standard form**. _____

13. Write the **standard form** for two hundred seventy-five.

14. Write the **expanded form** for the number 798,132.

4.NR.1.1 Read and Write Multi-Digit Whole Numbers

D. Read each question below and choose the best answer.

1. $40,000 + 5,000 + 700 + 50$ is the **expanded form** of what number below?

- A. 4,575
- B. 40,575
- C. 45,750
- D. 45,705

2. What is the **standard form** of $200,000 + 5,000 + 70$?

- A. 200,570
- B. 205,007
- C. 250,700
- D. 205,070

3. What is the **expanded form** of twenty-eight thousand, forty?

- A. $20,000 + 8,000 + 40$
- B. $20,000 + 800 + 40$
- C. $28 + 40$
- D. $28,000 + 4$

4. $500,000 + 20,000 + 500 + 60 + 9$ is the **expanded form** of what number?

- A. 502,569
- B. 52,569
- C. 520,569
- D. 522,569

5. How do you write the **expanded form** of the number 607,899?

6. How do you write the **expanded form** of the number 509,821?

7. $4,000 + 20 + 3 =$ _____

- A. 423
- B. 4000203
- C. 4,023
- D. 4,203

8. $50,000 + 800 + 9 =$ _____

- A. 50,809
- B. 589
- C. 508009
- D. 5,809

4.NR.1.1 Read and Write Multi-Digit Whole Numbers

Real-World and Relevant with Constructed Response:

A. Read About It!

Allison's **geography** class was **assigned** a project on the mountains of North America. Her group was assigned these five mountain **ranges**: Mount Rainier, Mount McKinley (Denali), Mount Saint Elias, Mount Blackburn, and Mount Antero. Their **task** was to find the **elevations** of the five mountain ranges and list them. Allison's group **discovered** that Mount Rainier's elevation is 14,411 feet, Mount McKinley's (Denali) elevation is 20,320 feet, Mount Saint Elias is 18,009 feet, Mount Blackburn is 16,390 feet, and Mount Antero's elevation is 14,276 feet.

1. Write the elevation of Mount Rainier in **expanded form**. _____

2. Write the elevation of Mount Saint Elias in **standard form**. _____

3. Write the elevation of Mount Antero in **standard form**. _____

4. Which mountain has an elevation of **10,000 + 6,000 + 300 + 90** when written in **expanded form**? _____

5. Which mountain range has an elevation of **twenty-thousand, three hundred twenty** feet when written in word form?

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B. Reading for Meaning

6. What is the main idea of the paragraph?

- A. Allison loves geography.
- B. The elevation of Mount Rainier is 14,411 feet.
- C. Allison's group had to find the elevations of five mountains.
- D. The Internet is a great tool for research projects.

7. Who was doing a research project? _____

8. What was the topic of the research project? _____

C. Vocabulary Acquisition

9. Write a bold-faced word that means the same as

a. found	
b. heights	
c. given	
d. natural features of land	
e. collections	

D. Write About It! *Opinion Writing*

Give your opinion if you think it is important to read numbers in standard and expanded form. What could happen if someone wasn't able to read numbers in both forms? Give examples to support your paragraph.

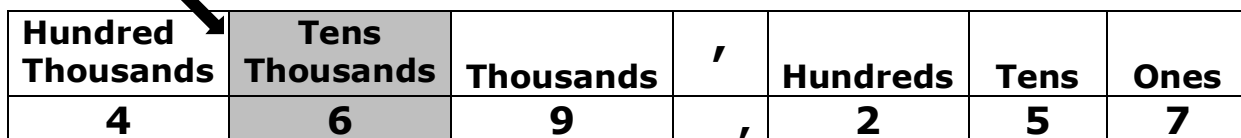
4.NR.1.1 Read and Write Multi-Digit Whole Numbers

Learn About It!

Knowing the place value of a number will help you determine the **value** of a number. The value is what a number is worth. You can use the position of the number to help you determine the number's value.

See It!

Start by finding the place value of the number.
Finding the place value will determine the value of the number.



Hundred Thousands	Tens Thousands	Thousands	,	Hundreds	Tens	Ones
4	6	9	,	2	5	7

Find the value of the "6" in the number 469,257.

Look at the place value chart above to help you.

1. What place is the "6" in?
The "6" is in the **ten thousands** place.
2. Since the "6" is in the ten thousands place the value of the "6" is:
6 ten thousands or **6 x 10,000**.
3. **6 x 10,000 = 60,000**
4. So, the value of the "6" in the number 4**6**9,257 is **60,000**.

4.NR.1.1 Read and Write Multi-Digit Whole Numbers

A. Use the chart to help determine the value of each number.

Hundred Thousands	Tens Thousands	Thousands	'	Hundreds	Tens	Ones
1	0	3	,	5	8	2

1. What is the value of the "3"? _____
2. What is the value of the "5"? _____
3. What is the value of the "8"? _____
4. What is the value of the "1"? _____
5. What is the value of the "2"? _____
6. What is the value of the "0"? _____

B. Write the value of each bold-faced digit below.

7. 56,**7**98: _____
8. 3**22**,451: _____
9. **1**12,980: _____
10. 478,4**98**: _____
11. 506,**3**21: _____
12. 225,**4**01: _____

C. Explain It!

Explain how to find the value of the bold-faced "8".

13. 4**88**,312: _____

