Notorious Notations

Place Value

Instructions:

For questions I and 2, write the numbers in expanded notation and answer each question. For question 3, fill in the blank with the correct answer. For questions 4 and 5, write the numbers in standard notation. For questions 6 through 8, write the numbers in word form.

Helpful Hint:

Standard notation shows a number in its numeric form.

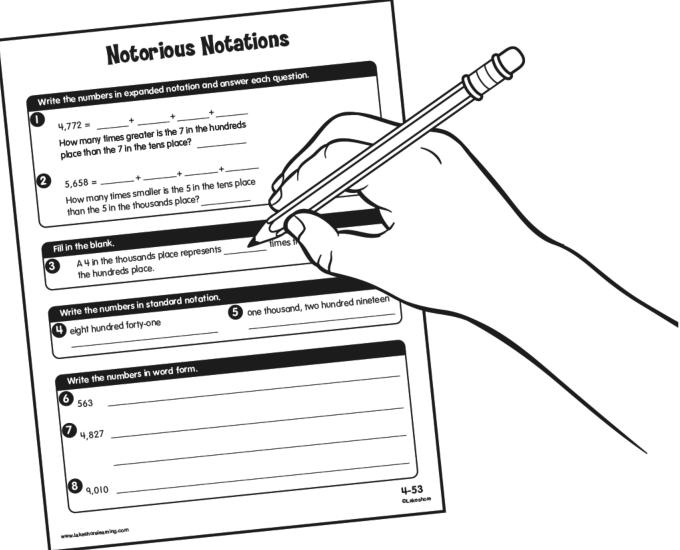
For example: 3,933

Expanded notation "expands" a number to show an equation that represents the value of each digit. When added together, it equals the value of the number.

For example: 3,000 + 900 + 30 + 3

Word form is how the number is written using words.

For example: Three thousand, nine hundred thirty-three.



Notorious Notations

Write the numbers in expanded notation and answer each question.

- 4,772 = ____+___+

How many times greater is the 7 in the hundreds place than the 7 in the tens place?

- 2
- 5,658 = ____+__+___+

How many times smaller is the 5 in the tens place than the 5 in the thousands place?

Fill in the blank.

3

A 4 in the thousands place represents _____ times the value of a 4 in the hundreds place.

Write the numbers in standard notation.

eight hundred forty-one

5 one thousand, two hundred nineteen

Write the numbers in word form.

- **8** 9,010

Answer Key

Write the numbers in expanded notation and answer each question.

0

4,772 = <u>4,000</u>+ <u>700</u> + <u>70</u> + <u>2</u>

How many times greater is the 7 in the hundreds place than the 7 in the tens place? <u>10 times</u>

2

5,658 = **5,000** + **600** + **50** + **8**

How many times smaller is the 5 in the tens place than the 5 in the thousands place? 100 times

Fill in the blank.

3

A 4 in the thousands place represents _____ times the value of a 4 in the hundreds place.

Write the numbers in standard notation.

eight hundred forty-one

5 one thousand, two hundred nineteen 1.219

Write the numbers in word form.

- 6 563 five hundred sixty-three
- 7 4,827 four thousand, eight hundred twenty-seven
- 8 9,010 <u>nine thousand ten</u>