

Notorious Notations

Place Value

Instructions:

For questions 1 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.

1 $4,772 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
How many times greater is the 7 in the hundreds place than the 7 in the tens place? $\underline{\hspace{1cm}}$

2 $5,658 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
How many times smaller is the 5 in the tens place than the 5 in the thousands place? $\underline{\hspace{1cm}}$

Fill in the blank.

3 A 4 in the thousands place represents $\underline{\hspace{1cm}}$ times the value of a 4 in the hundreds place.

Write the numbers in standard notation.

4 eight hundred forty-one $\underline{\hspace{1cm}}$

5 one thousand, two hundred nineteen $\underline{\hspace{1cm}}$

Write the numbers in word form.

6 563 $\underline{\hspace{1cm}}$

7 4,827 $\underline{\hspace{1cm}}$

8 9,010 $\underline{\hspace{1cm}}$

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Notorious Notations

Write the numbers in expanded notation and answer each question.

$$4,772 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

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

2

$$5,658 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

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.

4

eight hundred forty-one

5

one thousand, two hundred nineteen

Write the numbers in word form.

6

563

7

4,827

8

9,010

Answer Key

Write the numbers in expanded notation and answer each question.

1

$$4,772 = \underline{4,000} + \underline{700} + \underline{70} + \underline{2}$$

How many times greater is the 7 in the hundreds place than the 7 in the tens place? 10 times

2

$$5,658 = \underline{5,000} + \underline{600} + \underline{50} + \underline{8}$$

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 10 times the value of a 4 in the hundreds place.

Write the numbers in standard notation.

4

eight hundred forty-one
841

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 nine thousand ten