

Decimals in Numeric, Word, and Expanded Form

Word Form

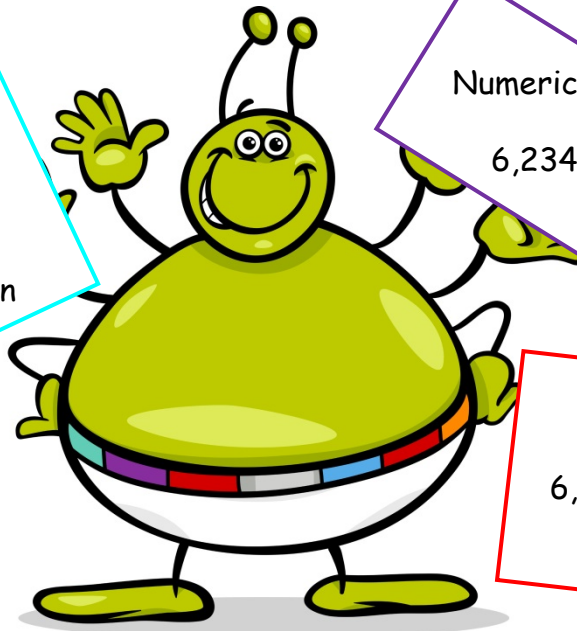
Six thousand two hundred
thirty four and eighty seven
hundredths

Numeric Form

6,234.87

Expanded Form

$6,000 + 200 + 30 + 4 +$
 $0.8 + 0.07$



Definitions:

Expanded Form:

Writing a number in expanded form shows each digit's place value.

Numeric Form:

Numeric form is simply using digits to write a number.

Word Form:

Word form is writing a number using the words for each of the numbers and where they are located in the number.

Examples

- Converting from **Numeric** to **Expanded**:

$$215.39 = 200 + 10 + 5 + 0.3 + 0.09$$

Because the "2" is in hundreds place, "1" is in tens place, "5" is in the ones place, "3" is in the tenths place, and "9" is in the hundredths place.

- Converting from **Expanded** to **Numeric**:

$$3,000 + 500 + 30 + 6 + 0.2 + 0.04 = 3,536.24$$

If you line the numbers up vertically and add them you will get this answer.

- Converting from **Numeric** to **Word Form**:

$$897.43 = \text{eight hundred ninety seven and forty three hundredths}$$

Write the numbers in words as they appear from left to right. Write them in words as if you were reading them aloud.

- Converting from **Word Form** to **Numeric Form**:

$$\text{Two thousand four hundred eighty five and three tenths} = 2,485.3$$

Write the numbers as they appear in the word form in numerical form.