

Numbers and Operations in Base Ten

Grade 4

Vocabulary Words Your Student Will Learn

Place Value: The value of a digit in a number

Digit: A symbol used to show a number

Estimate: An approximate calculation that is close to the exact number based on rounding

Compare: Tell how a number is related to another number using $>$, $<$, $=$, or different

Rounding: to find the nearest ten, hundred, or thousand (and so on). For example, 391 rounds up to 400 and 331 rounds up to 300.

Expanded Form: Writing a number as the sum of the values in each digit

Regrouping: To exchange amounts of equal value to rename a number

What Your Student Will Learn:

- ◆ Read, write, and represent multi-digit whole numbers in standard and expanded form.
- ◆ Compare two multi-digit numbers using $>$, $=$, and $<$.
- ◆ Round multi-digit whole numbers.
- ◆ Fluently add and subtract multi-digit numbers.
- ◆ Multiply multi-digit numbers and explain the calculations by using equations, rectangular arrays, and/or area models.
- ◆ Divide multi-digit dividends with one-digit divisors, including interpreting the remainders.

** Grade 4 students work with whole numbers less than or equal to 1,000,000.*

Everyday Activities You Can Do At Home:

- ◆ Make up numbers, roll numbers with dice, or find numbers (on labels) and compare them
- ◆ Find numbers and write them in expanded form
- ◆ Make numbers and tell which place value (and/or value) each digit represents
- ◆ Place large numbers on a number line
- ◆ Collect objects (i.e. Cheerios) and estimate how many
- ◆ Draw pictures and make models of numbers
- ◆ Practice addition and subtraction facts.