Grade 5

Place Value of Whole Numbers

MACCS Standards Being Addressed:

5.NBT.1: Understand the relationship between the digits in a multi-digit number.

Rationale: Students gain a better understanding of our place value system. They investigate the relationship between the place value positions.

A digit is any one of the symbols 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 that are used to write numbers.

The place value position of a digit in a larger number effects the value of the digit.

MathATube.com

Place Value Chart

Hundred-billions	Ten-billions	Billions	Hundred-millions	Ten-millions	Millions	Hundred-thousands	Ten-thousands	Thousands	Hundreds	Tens	Ones

As you move along a place value chart right to left, each place value position is worth ten times more than the position to its right.

For example:

The tens place is ten times greater than the ones place.
Because the thousands place is two place value positions to the left of the tens place, the thousands place is 100 times greater than the tens place.

As you move from left to right along a place value chart, each place value position is worth one tenth of the place value position to its left.

For example:
The hundred thousands place is worth one tenth of the millions place.
Because the ten thousands place is two positions to the right of the millions place, the ten thousands place is worth one hundredth of the millions place.