Place Value Through Millions

Lesson 1

ESSENTIAL QUESTION
How does the position of a digit in a number relate to its value?

A **place-value chart** shows the value of the digits in a number. In greater numbers, each group of three digits is separated by commas, and is called a **period**.

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Example 1

The distance from the Earth to the Sun is 92,955,793 miles. Use the place-value chart to list the value of each digit.

1 Complete the place-value chart.

Millions Period			Thousands Period			Ones Period		
hundreds	tens	ones	hundreds	tens	ones	hundreds	tens	ones

2 List the values of each digit.

$9 \times 10,000,000 \rightarrow 90,000,000$

$2 \times 1,000,000 \rightarrow 2,000,000$

$9 \times 100,000 \rightarrow$ _____

$5 \times 10,000 \rightarrow$ _____

$5 \times 1,000 \rightarrow$ _____

$7 \times 100 \rightarrow$ _____

$9 \times 10 \rightarrow$ _____

$3 \times 1 \rightarrow$ _____

> The digit 5 in the ten thousands place is 10 times greater than the digit 5 in the thousands place.