Decimal Place Value

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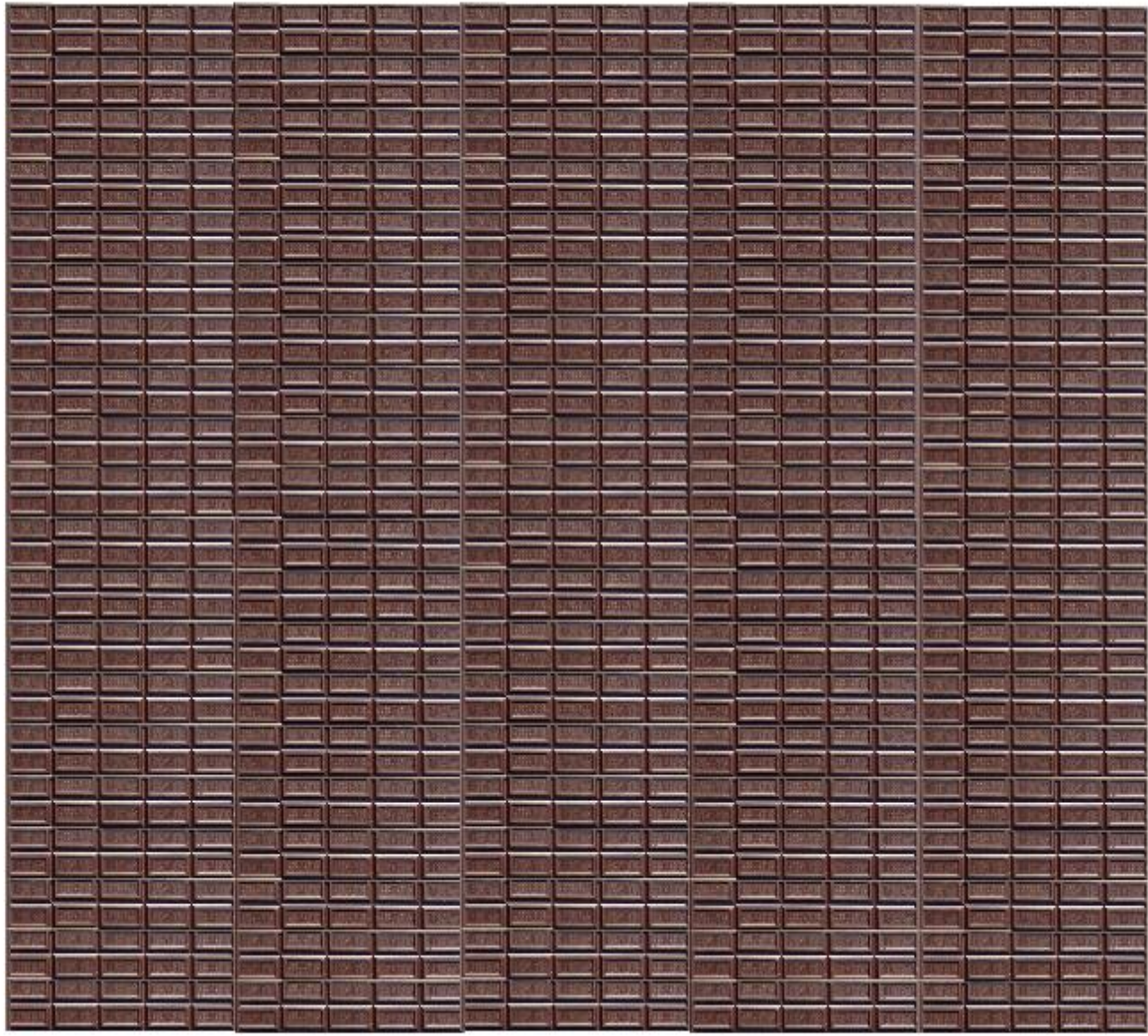As you move to the left, each position represents ten times as many as the position to it's right.

Place Value Chart

100 000 000	10 000 000	1 000 000	100 000	10 000	1000	100	10	1	.	$0.1 = \frac{1}{10}$	$0.01 = \frac{1}{100}$	$0.001 = \frac{1}{1000}$
Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units	.	Tenths	Hundredths	Thousandths

Tenths

0. _____

Hundredths

0 . _____   _____

Thousandths

0 . _____   _____   _____

Reading and Writing Decimal Numbers

0.0139

We read this number as:

one hundred thirty-nine ten-thousandths

We write this number in:

standard form: 0.0139

expanded form: 0.01+0.003+0.0009

Reading and Writing Decimal Numbers

3.268

We read this number as:

Three and 2 hundred sixty-eight thousandths

We write this number in:

standard form: 3.268

expanded form: 1+ 0.2+0.06+0.008

- 3.268
- We read this number as:
- three and 2 hundred sixty-eight thousandths
- We write this number in:
- standard form: 3.268
- expanded form: 3 + 0.2+0.06+0.008