Place Value & Ten Times Differences

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
100,000	10,000	1,000	100	10	1	.	0.1	0.01	0.001

To determine place value of a number use a place value chart like the one above. Example 745,832

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
700,000	40,000	5,000	800	30	2

The 5 is in the 1,000's place and is equal to 5,000

To convert between place values you just need to add a zero to the whole number for every place it is to the right on the place value chart. Example 40,000

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
100,000	10,000	1,000	100	10	1

In the first example there are 4 ten thousands which converts to 40,000 tens (a zero for every place to the right of the ten thousands place. In the 2nd example,

To convert from standard form to expanded form use a place value chart to assist. Example 168,234

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
100,000	60,000	8,000	200	30	4

So that means 100,000 + 60,000 + 8,000 + 200 + 30 + 4= 168,234.

Meets: Common Core 5th grade 5.NBT.1