## PLACE VALUE

Place value is the value of a digit in a number. The value is determined by what position the digit is in within the whole number.

| $\xrightarrow{\text { n }}$ |  |  |  |  | $\stackrel{\sim}{\omega}$ | $\stackrel{\check{む}}{\check{0}}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 7 | 1 | 4 | 9 | 2 | 6 | - | 5 | 8 | 3 |

The place value of a digit increases by ten times as you move to the left on the chart. As you move to the right, the place value decreases by ten times. This means we can write out our number in its expanded form, like this:

$$
3,000,000+700,000+10,000+4,000+900+20+6+0.5+0.08+0.003
$$

Another way to visualize place value is by using blocks. The blocks below represent the number 4,275.


4 thousands
$(4,000)$


2 hundreds (200)


7 tens
(70)

5 ones
(5)

