

DEFINITION

Expanded form is writing a number to illustrate each place value.

Model: In expanded form, 527 is written: $500 + 20 + 7$

Check the following chart.

| TRILLIONS | | | BILLIONS | | | MILLIONS | | | THOUSANDS | | | UNITS | | | | | | |
|---------------|------|------|---------------|------|------|---------------|------|------|---------------|------|------|---------------|------|-----|---|---|---|---|
| hund- reds | tens | ones | hund- reds | tens | ones | hund- reds | tens | ones | hund- reds | tens | ones | hund- reds | tens | one | | | | |
| 0 | 0 | 0 | , | 0 | 0 | 0 | , | 0 | 0 | 0 | , | 0 | 0 | 0 | , | 0 | 0 | 0 |

- Write 726 in expanded form. _____
- Write the number equal to $20,000 + 7,000 + 500 + 20 + 9$. _____

LARGE NUMBERS

A digit followed by six zeros is a multiple of a million. What about a number with nine zeros or twelve zeros? The numbers are multiples of a *billion* or *trillion* respectively.

Model: Write the number that begins with the digit 6 followed by eight zeros, and write its name.

600,000,000 is six hundred million.

- Write the number that starts with the digit 8 followed by eight zeros, and write its name.
a. _____ b. _____
- Write the number that starts with the digit 5 followed by nine zeros, and write its name.
a. _____ b. _____
- Write six billion in numerals. _____
- Write four trillion in numerals. _____