

# **EXPONENTIAL AND SCIENTIFIC NOTATION**

## Let's Explore

**Exponential notation** is a shortened way of expressing a LARGE number using exponents.

Actual number:

1,000,000

Exponential Notation: 10<sup>6</sup>



The exponential notation of 1,000,000 is  $10^6$ .



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### How to write a number in exponential notation:

### Example 1:

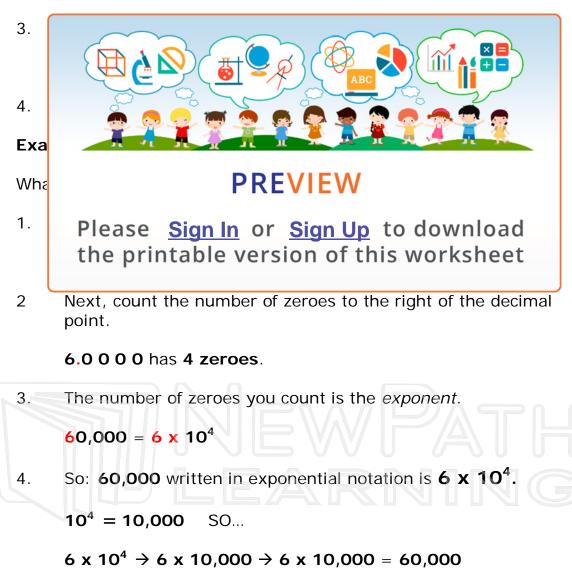
Take the number 10,000,000 for example:

1. Put a decimal point to the right of the 1.

#### 1.0000000

2 Next, count the number of zeroes to the right of the decimal point.

### 1.0 0 0 0 0 0 0 has 7 zeroes.



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