

Name \_\_\_\_\_

Date \_\_\_\_\_

# Growing by Powers of Ten Chart

**Expanded form** is a way of writing numbers to see the math value of individual digits.

$$10 \times 10 \times 10 \quad \text{or} \quad 100 + 20 + 3$$

**Standard form** is the total value of the numbers (not in expanded form).

$$1,000 \quad \text{or} \quad 123$$

**Place value** is the number value a digit has based on its position in a number.

Place Value Chart								
Millions			Thousands			Ones		
Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

**Directions:** Complete the chart with the missing information.

Row	Powers of 10	Expanded Form	Standard Form	Place Value
1	$10^0$	1		Ones
2	$10^1$		10	
3	$10^2$	$10 \times 10$		
4				Thousands
5	$10^4$			
6	$10^5$	$10 \times 10 \times 10 \times 10 \times 10$		
7	$10^6$			
8		$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$		
9				