

Take Ten

Fill in the blank boxes in the chart below.

Word	Number	Multiplication (Factor Form)	Exponential Form
	10		10^1
		10×10	
one thousand			10^3
ten thousand		$10 \times 10 \times 10 \times 10$	
	100,000		10^5
		$10 \times 10 \times 10 \times 10 \times 10 \times 10$	

Powers of Ten Activity

Complete the following table.

	Exponential Form	Expanded Form (Factor Form)	Value (Standard Form)
1.	10^5	$10 \times 10 \times 10 \times 10 \times 10$	100,000
2.	10^2		
3.		$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	
4.	10^1		
5.	10^{10}		
6.		$10 \times 10 \times 10 \times 10$	
7.			1,000
8.		$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$ $\times 10 \times 10 \times 10 \times 10 \times 10$	
9.	10^6		
10.			100,000,000

What do you notice about the exponent and the number of zeros in the number?
