

Name _____ Date _____

Understanding Positive and Negative Exponents

	Scientific Notation	Decimal	Fraction	Expanded Form
1	10^2	100.0	$\frac{100}{1}$	One hundred
2	10^1			
3	10^0			
4	10^{-1}			
5	10^{-2}			
6	10^{-3}			
7	10^{-4}			

8. What do you notice about the change from number one to number six? What is the pattern?

	Scientific Notation	Decimal	Fraction	Expanded Form
8	2^2	4.0	$\frac{4}{1}$	Four
9	2^1			
10	2^0			
11	2^{-1}			
12	2^{-2}			
13	2^{-3}			
14	2^{-4}			

15. Thinking Question - 10^0 could be rewritten as $\frac{1}{1}(10^0)$. How would you rewrite 2^0 as a fraction according to the example given in the previous sentence? Show your work on the back of this page.