**Exponents**

**Lesson Goal**

To write numerical expressions involving whole number exponents. To write repeated multiplication as a numerical expression with exponents and evaluating numerical expressions with exponents.

***This lesson can also be found in Digits i18-1: Exponents***

34

base exponent

The **base** tells you the number you are using to multiply.

The **exponent** tells you how many times to multiply the number by itself.

34 = 3 • 3 • 3 •3

= 81

**Exponent Terms**

* x2 can also be written as x **squared** or **x to the power of 2**
* x3 can also be written as x **cubed** or **x to the power of 3**
* xn can also be written as **x to the power of n**