Introduction to Exponents: Understanding the Key Terms

When you multiply the same number over and over, you can write the problem using an exponent. Take a closer look at the terms we use when talking about exponents.

Let's practice! Use what you learned to fill in the blanks.

Base number: 4 Exponent: 2

Expanded form: 4 x 4

Value: ______16

Base number: _____5 Exponent: _____3

Expanded form: $5 \times 5 \times 5$

Value: <u>125</u>

Base number: _____ **10** Exponent: ____ **4**

Expanded form: $10 \times 10 \times 10 \times 10$

Value: ____**10,000**____

Base number: _____ 5 ____

Expanded form: $2 \times 2 \times 2 \times 2 \times 2$

Value: _____32

Base number: 6 Exponent: 3

Expanded form: $6 \times 6 \times 6$

Value: _____**216**

Base number: _____ **3** Exponent: ____ **4**

Expanded form: 3 x 3 x 3 x 3

Value: ______81