



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Square number

Base of an exponent

Exponential notation

Exponent

1. - the number that is raised to a power; the number multiplied by itself a certain amount of times based on the exponent

Example:

exponent

$$4^3 = 4 \times 4 \times 4$$

base

2. many

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3. in a number to show

4
 10^6
exponential notation

4. multiplying a number by itself - the product of

Examples:

$$3 \times 3 = 3^2 = 9$$

$$8 \times 8 = 8^2 = 64$$

$$10 \times 10 = 10^2 = 100$$



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Exponent

1. base of an exponent - the number that is raised to a power; the number multiplied by itself a certain amount of times based on the exponent

Example:

exponent

$$4^3 = 4 \times 4 \times 4$$

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2. exp
base n

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4

3. exp
a num
show l

0⁶

exponential notation

4. square number - the product of multiplying a number by itself

Examples:

$$3 \times 3 = 3^2 = 9$$

$$8 \times 8 = 8^2 = 64$$

$$10 \times 10 = 10^2 = 100$$