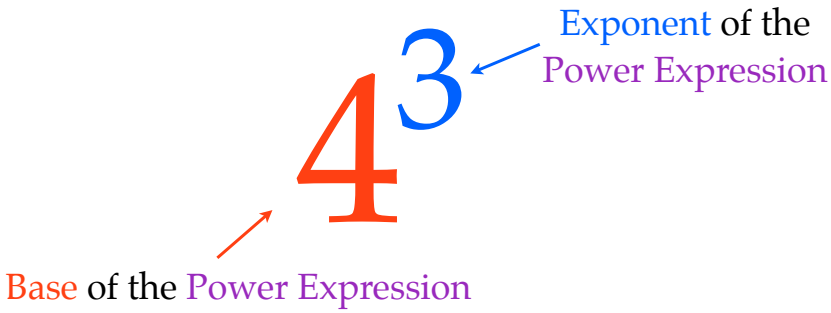
Exponents Defined

Name _____

Date _____ Period _____

Power Expression

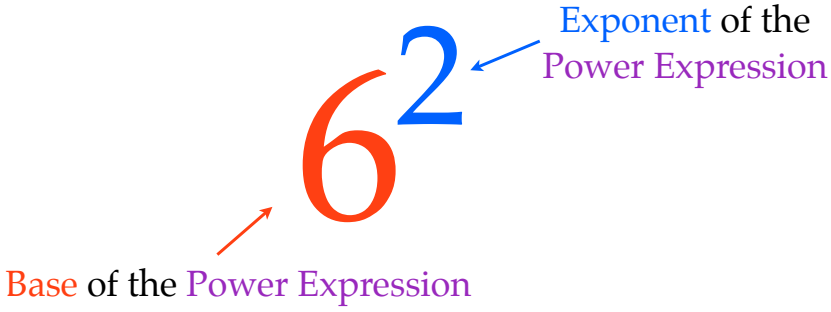
an expression that represents a repeated multiplication of the same factor



The Exponent determines the number of times the Base is multiplied by itself.

Power Expression

an expression that represents a repeated multiplication of the same factor



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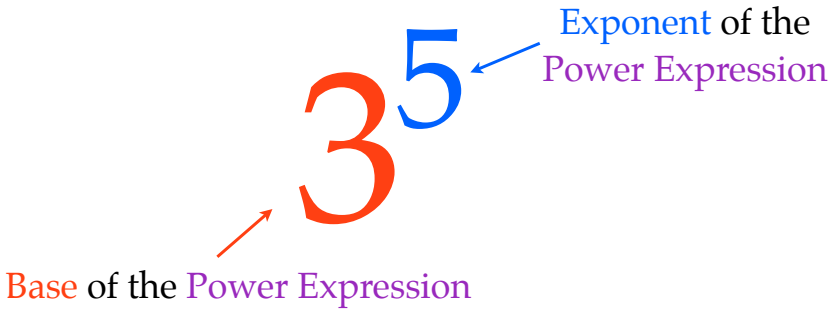

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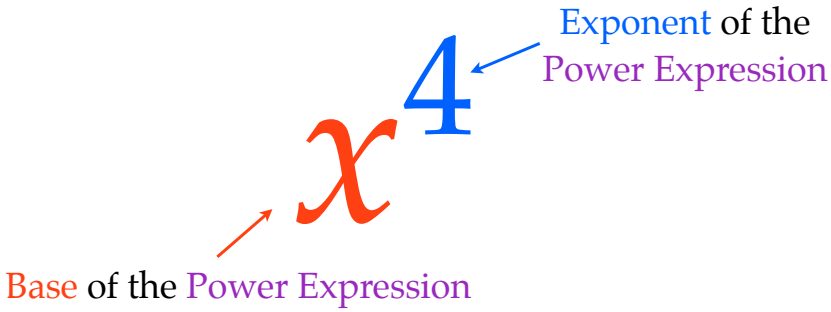


The Exponent determines the number of times the Base is multiplied by itself.

Power Expression

an expression that represents a repeated multiplication of the same factor

5 factors of 2

Power Expression

an expression that represents a repeated multiplication of the same factor

4 factors of 7

The Language of Exponents

Power	Exponent	Base	Words
3^1			
5^2			
4^3			
x^4			

Evaluate the following exponential expressions

15 to the first power

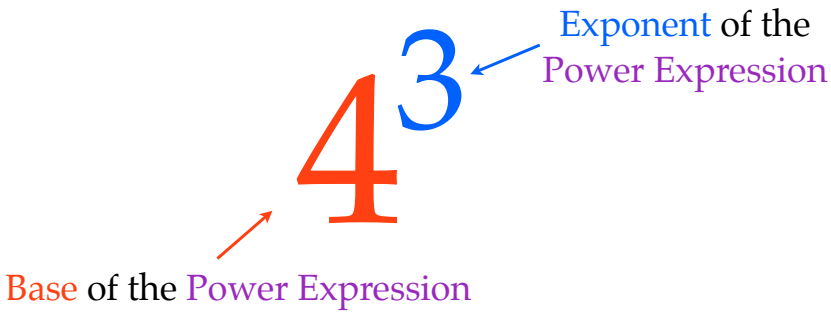
Eight squared

Six to the third power

x to the sixth power

Power Expression

an expression that represents a repeated multiplication of the same factor



The Exponent determines the number of times the Base is multiplied by itself.

$$3 \text{ factors of } 4 = 4 \cdot 4 \cdot 4 = 64$$