



Revision Guides

Exponents Rules

Part - 4



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Introduction

As we know now that when we start working with the Exponents... and we need to perform operations with exponents, we need to follow some rules in order to simplify these mathematical expression.

The laws of exponents are more just "tricks" or short cuts that help us work with exponents.

Rule of 1

In previous tutorial, We talked about Rule - 1, Quotient Rule and Rule - 2, Zero Exponent Property Rule and Rule - 3, Power Rule. Rule - 4, Product Rule

In this tutorial, Let's explore

Rule - 5

Rule of 1

There are two simple "rules of 1" to remember.

First Any number raised to the power of "one" equals itself. This makes sense, because the power shows how many times the base is multiplied by itself.

Second One raised to any power is one. This, too, is logical, because one times one times one, as many times as you multiply it, is always equal to one.

Example

Let's try to apply these
rule -

Look at this example
below -

$$5^1$$

Can we simplify this?

If it's only multiplied one
time, then it's logical that
it equals itself.

$$5^1 = 5$$

Well that was easy
Isn't it?

Example

Let's try second one
Look at this example below -

$$1^5$$

Can we simplify this?

If one times one times one,
as many times as you
multiply it, is always equal to
one.

$$1^5 = 1$$

Well that was easy
Isn't it?



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