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Resource ID#: 123103

Primary Type: Tutorial

Direct Link: <http://whyu.net/media/download/Pre-Algebra%20-%20Raising%20Products%20and%20Quotients%20to%20Powers%20-%20small.mp4>

Raising Products and Quotients to Powers

Any expression consisting of multiplied and divide terms can be enclosed in parentheses and raised to a power. This can then be simplified using the rules for multiplying exponents.

General Information

Subject(s): Mathematics

Grade Level(s): 8

Intended Audience: [Educators](#), [Students](#)

Instructional Time: 10 Minute(s)

Keywords: Products;, Quotients;, Power;, Term;, Variable;, Base;, Negative exponents;, Positive exponents;

Instructional Component Type(s): [Tutorial](#), [Video/Audio/Animation](#),

Resource Collection: Secondary Math specific existing tutorials

Suggested Technology: Computer for Presenter, Computers for Students, Internet Connection, Interactive Whiteboard, Speakers/Headphones

Source and Access Information

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District/Organization of Contributor(s): Florida State University

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Aligned Standards

Name	Description
MAFS.8.EE.1.1:	Know and apply the properties of integer exponents to generate equivalent numerical expressions. <i>For example, $3^2 \times 3^{-5} = 3^{-3} = 1/3^3 = 1/27$.</i>