

<b>Connect</b> (What's your first thought?)	<b>Collect</b> (Collect information from video. Be sure to expand and evaluate)	<b>Correct/Compare</b> (Any new learning or corrections?)
<p>Does <math>(4^2)^3</math> equal <math>4^5</math> or <math>4^6</math>?</p>		
<p>Simplify and write in exponential notation</p> <p><math>(4^2)(4^3)</math></p>		
<p>Example 2: Simplify <math>(z^5)^2</math></p>		
<p>What happens when you raise an exponential expression to a power?</p>		

Objective

- \*Understand raising a power to a power
- \*Use properties of exponents to simplify expressions

**Common Core State Standards 8.EE.1**

