rules of exponents

Work in pairs to figure out a rule for each of the following situations. Try out different numeric examples to find a pattern. Use , , and for your first example, then choose your own numbers for the other two. Once you have a conjecture for what the rule is, try proving it by using non-exponential notation (or think of a different way to show it!). Use colors and highlighters to show connections and make your work more clear.

| Situation | Numeric Examples | Rule Conjuncture | Demonstration |
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Handout adapted from: Exploring Exponents. (n.d.). Retrieved from https://www.youcubed.org/tasks/exploring-exponents/

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