**Rules for Exponents -- I want to be proficient!**

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| **Words** | **Rule** | **Example** |
| #1  When the **base** is the same, x (multiply)…   * **Add** the exponents * Keep the base |  |  |
| #2  Raising **a power to a power**…   * **Multiply** the exponents * Keep the base | = |  |
| #3  When the **base** is the same, ÷ (divide)…   * **Subtract** the exponents * Keep the base |  |  |
| #4  When the **exponent** is negative..   * **Flip** the base to the bottom part of the fraction. * Keep the base |  |  |
| #5  Any number **to the zero power**…   * Equals 1   73 7 × 7 × 7  = 1 = 70  73 7 × 7 × 7 |  |  |

*Thank you to Tara Robinson (Merrill Middle OASD)*

*for allowing the posting of this chart she created on the ELL Math website)*