

Laws of Exponents Cheat Sheet

1. $3^2 \cdot 3^4 = 3^6$ dot in the middle \rightarrow add exponents
2. $\frac{3^7}{3^5} = 3^2$ fraction bar \rightarrow subtract exponents
3. $(4^3)^5 = 4^{15}$ parenthesis in between exponents \rightarrow multiply exponents
4. $7^0 = 1$ Anything to the 0 power equals 1.
5. $(4^2 \cdot 4^6)^5 = (4^8)^5 = 4^{40}$