

Powers and Exponents

$$\begin{array}{c} \text{Base} \rightarrow 3 \leftarrow \text{exponent} \\ \boxed{3^4} = \underbrace{3 \cdot 3 \cdot 3 \cdot 3}_{\text{Expanded Form}} = \boxed{81} \\ \uparrow \\ \text{Power} \end{array}$$

$$\text{Ex. } 5^2 = 5 \cdot 5 = \boxed{25}$$

$$\text{Ex. } (-4)^3 = -4 \cdot -4 \cdot -4 = \boxed{-64}$$

$$\text{Ex. } -2^4 = \overset{+}{2 \cdot 2 \cdot 2 \cdot 2} = \boxed{-16}$$

Regular: Pg. 64 Oregon Focus (1-40)

Challenge: Pg. 12 Pre-Algebra (1-49)