Focus:

- 1. To be able to determine the square root of a perfect square.
- 2. To be able to determine the cube root of a perfect cube
- 3. To be able to use exponent laws.

Curricular Competencies:

A2: I can explore, analyze and apply mathematical ideas

Language

Base

Exponent

Power

8.8.8 + 8.8

Squares and Square Roots

Cubes and Cube Roots

Sneaky Exponents
$$(-4)^3 - 4 - 4 - 4 = -64$$

 $-4^3 - 4 - 4 - 4 = -64$
 $-4^3 - 4 - 4 - 4 = -64$

Try These ...
$$(\chi^5)(\chi^2) = \chi^7$$

$$\chi^5 - \chi^2 \quad \text{or} \quad \frac{\chi^5}{\chi^2} = \chi^3$$

$$(\chi^5)^2 = \chi^{10}$$

$$\left(\frac{\chi^5}{y^2}\right)^3 = \frac{\chi^{15}}{y^6}$$

$$\left(3\chi^2\right)^2 = 9\chi^4$$

Prime Numbers ~ can only be divided by itself +1 1,2,3,5,7,11... assignment: Chapter 4 Warm Up worksheet