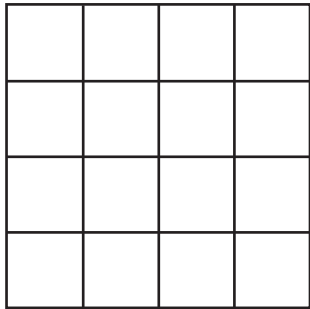


# SQUARES and CUBES and their roots (sides)



4 X 4 is  $4^2$ .  $4^2 = 16$

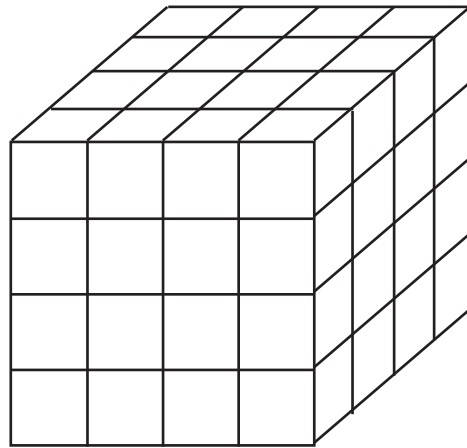
L X W = Area

Four squared is sixteen.

The side of a square containing 16 blocks is 4.

The square root of 16 is 4.

$$\sqrt{16} = 4$$



4 X 4 X 4 is  $4^3$ .  $4^3 = 64$

L X W X H = Volume

Four cubed is sixty-four.

The side of a cube containing 64 blocks is 4.

The cubed root of 64 is 4.

$$\sqrt[3]{64} = 4$$