

## Squares/Area vs. Cubes/Volume

DRAWING HELPS!

### Squares/Area

1. An indoor gym has the shape of a square with an area of 225. What is the **side length**?
2. The side length of a square house is 13. What is the **area**?
3. A square racquetball court has an area of 49. What is the **side length**?
4. The square classroom has a side length of 11. What is the **area**?

### Squares/Area Extension

1. The area of a square is 81. What is the **perimeter**?
2. An indoor gym has the shape of a square with an area of 64. What is the **perimeter** of the gym?

NOTE: Square/Area Extension

Another word for perimeter is \_\_\_\_\_ .

3. Surrounding a garden is a square fence with an area of 196. How long is the fencing?
4. The square fencing of house has a perimeter of 20? What is the area of the house?

## Squares/Area vs. Cubes/Volume

### Cubes/Volume

1. The volume of a cubic fish tank is 343. What is the **side length**?
2. The volume of a cubic indoor swimming pool is 729. What is the **side length**?
3. The volume of a cube is 216. What is the **side length**?
4. The volume of a cube shape house is 64. What is the **side length**?

### Cubes/Volume Extension

1. The volume of a cube is 125. What is the **perimeter** of one side of the cube?
2. The volume of a cube is 27. What is the **perimeter** of one side of the cube?
3. The volume of a cubic swimming pool is 512. What is the **perimeter** of the bottom of the pool?
4. The volume of a cubic shaped classroom is 1000. What is the **perimeter** of the floor of the classroom?