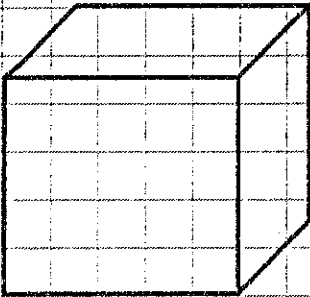


Each small square on this grid represents 1 meter squared. That means each small square represents a square that is 1 meter long on each side.

The square on the left has sides of 5 meters. Each side is 5 meters long. The distance all the way around the square is 20 meters. This is called the *Perimeter*.

The square on the left is made of 25 small squares. This is called the *Area*. The area of the square is 25 square meters.

The area of the square is equal to the side times itself, 5 times 5. This is why  $5^2$ , 5 to the power of 2, is called 5 squared.



If this cube has sides that have a distance of 5 meters, then the *Volume* of the cube is 5 times 5 times 5 meters cubed. This is why  $5^3$  is called 5 cubed.

$$A = 40$$

$$P = 28$$

What is the *Area* and *Perimeter* of this rectangle?

How can you find the area of this rectangle without counting all the small squares?

$$P = 26$$

$$A = 40$$

What is the *Area* and *Perimeter* of this rectangle?

Is the area of this rectangle the same as the first one? Is the perimeter the same? Why?