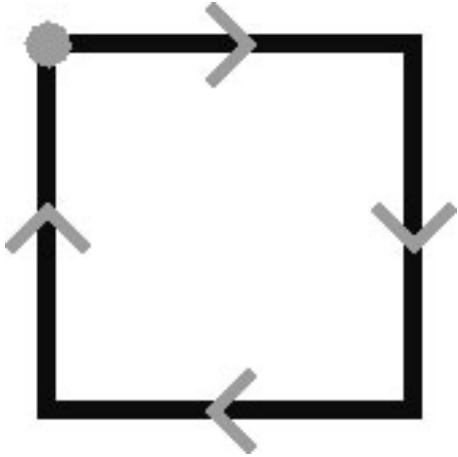


## PERIMETER

*Distance around the shape*

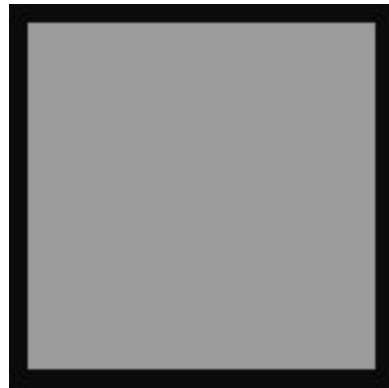
Perimeter = add up length of each side



## AREA

*Space within shape's outline*

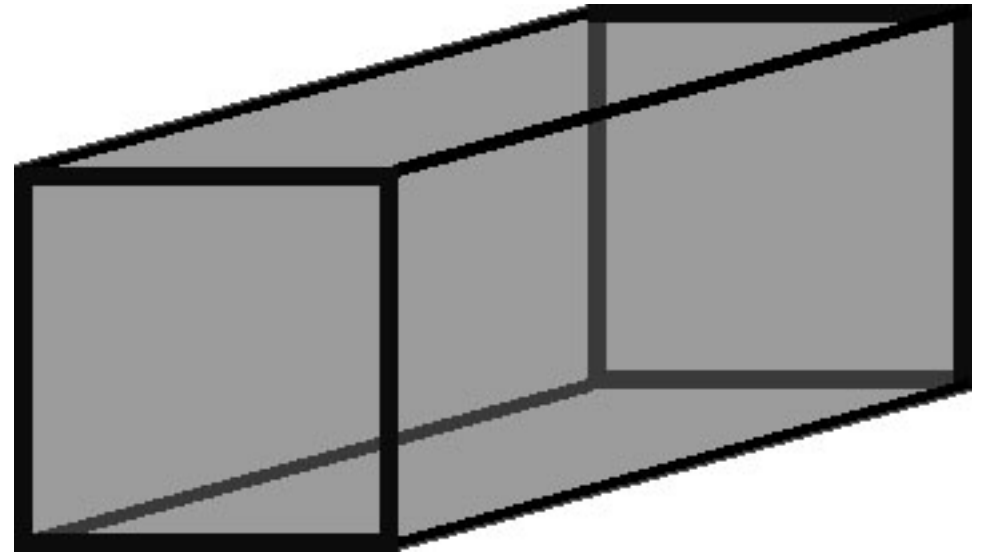
Area = length of shape x width of shape



## VOLUME

*3D space within a shape's outline*

Volume = length of shape x width of shape x height of shape



What's the perimeter of the square?

$$\begin{aligned} \text{Perimeter} &= 2 \text{ in} + 2 \text{ in} + 2 \text{ in} \\ &\quad + 2 \text{ in} \\ &= 8 \text{ in} \end{aligned}$$

What's the area of the square?

$$\begin{aligned} \text{Area} &= 2 \text{ in} \times 2 \text{ in} \\ &= 4 \text{ in}^2 \end{aligned}$$

What's the volume of the cube?

$$\begin{aligned} \text{Volume} &= 2 \text{ in} \times 2 \text{ in} \times 3 \text{ in} \\ &= 12 \text{ in}^3 \end{aligned}$$