

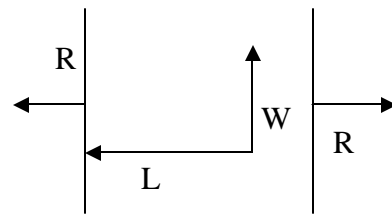
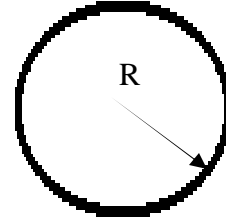
# Calculating Pool & Spa Gallons

To determine the approximate number of gallons in a pool or spa, first determine the surface area. Then multiply the area by the average depth and the constant conversion factor of 7.5. In finding the average depth for a complex shaped pool, divide the complex shape into several simple shapes, calculate each one separately and add them together. In circular pools, R stands for Radius.

## CIRCULAR

$$\text{Area} = R \times R \times 3.14$$

$$\text{Gallons} = \text{area} \times \text{average depth} \times 7.5$$



## OBLONG

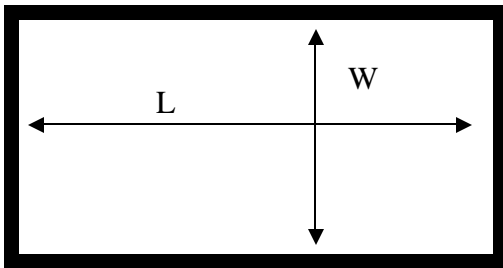
$$\text{Area} = R \times R \times 3.14 + (L \times W)$$

$$\text{Gallons} = \text{area} \times \text{average depth} \times 7.5$$

## RECTANGLE

$$\text{Area} = L \times W$$

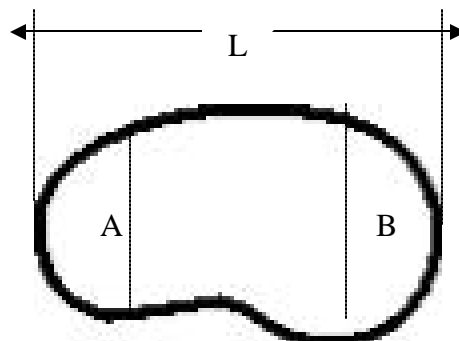
$$\text{Gallons} = \text{area} \times \text{average depth} \times 7.5$$



## KIDNEY

$$\text{Area (approx)} = (A + B) \times L \times 0.45$$

$$\text{Gallons} = \text{area} \times \text{average depth} \times 7.5$$



## OVAL

$$\text{Area} = A \times B \times 3.14$$

$$\text{Gallons} = \text{area} \times \text{average depth}$$

