

RANDY'S QUICK CALCULATION TRICKS

Memory Aids:

8.34: "Ate Three Fours" - converts mg/L to lbs in 1 MG

3960: "Water HP divider" - $\text{GPM} \times \text{TDH} \div 3960$

7.48: "Lucky Seven" - ft^3 to gallons

0.785: "Circle Multiplier" - $D^2 \times 0.785 = \text{Area}$

Common Mistakes to Avoid:

Don't forget to convert units!

Million gallons vs. gallons

Pounds vs. tons

Days vs. years

Always check your units!