\[
\frac{w}{w} = \frac{\text{wt of solute}}{\text{wt of solution}} \\
\frac{w}{100} = \frac{wA}{wA+wb} \\
\%
\]

**P.P.M.**

Part of a Solute present in 1 ml by mass

\[
\times \text{P.P.M} = \text{ng solute} \times 10^5 \text{ in g soln} \\
\text{mg solute} \times 10^3 \text{ in ml soln} \\
\text{ng solute} \times 10^5 \text{ in ml soln} \\
\]

\[
\text{P.P.M} \rightarrow \text{wt of solute in 1g solute} \times 10^5 \\
\text{wt of solute} \times 10^5 \\
\text{wt of solute} \times 10^5 \\
\]

\[
\frac{w}{w} = \frac{\text{wt of solute}}{\text{wt of solution}} \\
\frac{w}{100} = \frac{wA}{wA+wb} \\
\%
\]