

Percent as Formulas

By solving the Percent Proportion for different components of the proportion, we can derive formulas that can make our work easier.

$$\frac{\textit{Part}}{\textit{Total}} = \frac{\%}{100}; \text{ by cross multiplying, we have } \textit{part}(100) = \textit{total}(\textit{percent})$$

Solving for the part, we have: $\textit{part} = \frac{\textit{percent} \times \textit{total}}{100}$

Solving for the percent, we have: $\textit{percent} = \frac{\textit{part} \times 100}{\textit{total}}$

or solving for the total, we have: $\textit{total} = \frac{\textit{part} \times 100}{\textit{percent}}$