6.4: % Equation 1/31 p7

E.Q.: What is the % equation & how can we use it to solve problems that involve %?

The % EQUATION! ⇒ part = % (whole)

$P = \%\, W$

must be a DECIMAL!!

$\frac{\text{PART}}{\text{WHOLE}} = \%$ as a DECIMAL!!

Times Answer by 100!!

Book: $\frac{a}{w} = p$

Book: $a = pw$

Ex. 1: Find the Part

What # (part) is 25% (.25) of 50 (whole)

$x = .25(50)$

$x = 12.5$

(x = part; is = =; 25% = .25; of = times; 50 = whole)

Ex. 2: Find the %

9.5 (part) is what % (x) of 25?

Answer will be a DECIMAL!!

$\frac{9.5}{25} = \frac{x(25)}{25}$

$x = .38\ (100) = 38\%$

.38 = Decimal!