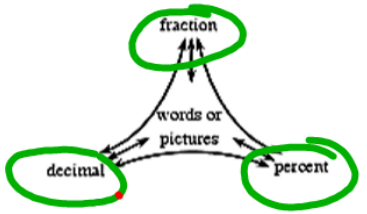
Representations of Portions

Calc.

$\frac{1}{2} = 1 \div 2 = 0.5$

$2\overline{)1.0}$ 0.5, $\frac{10}{0}$



$\frac{50}{100} = \frac{1 \cdot 50}{2 \cdot 50} = \frac{1}{2}$

To rewrite a fraction as a decimal....

divide the numerator by the denominator

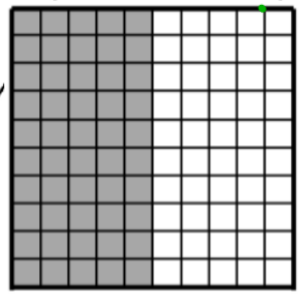
To rewrite a decimal as a fraction....

Use the digits as the numerator, the place value as the denominator

$0.5 = \frac{5}{10} = \frac{1 \cdot 5}{2 \cdot 5} = \frac{1}{2}$

$0.50 = 0.5$

"fifty hundredths" Decimal "five tenths"



"50 out of 100"

$0.5(100) = 50$

To rewrite a decimal as a percent....

multiply the decimal by 100

To rewrite a percent as a decimal....

divide the percent by 100

$50\% = \underbrace{50 \div 100}_{\text{Calc}} = .50$

To rewrite a fraction as a percent....

$\frac{1}{2} \cdot \frac{50}{50} = \frac{50}{100} = 50\%$

rewrite an equivalent fraction out of 100.

To rewrite a percent as a fraction....

Use 100 as denominator, the number in the numerator

$50\% = \frac{50}{100} = \frac{1}{2}$

50% Percent