

Decimal to a Percent

Example: $.24 = 24\%$

Move the decimal **two** places to the **right**

Percent to a Decimal

Example: $36\% = .36$

Move the decimal **two** places to the **left**

Fraction to a Decimal

Example: $\frac{3}{10} = 0.3$ $\frac{15}{100} = 0.15$ Read the Fraction

Find an equivalent fraction with a denominator of **10** or **100**

Example: $\frac{2}{5} = \frac{4}{10} = 0.4$

If the denominator cannot become 10 or 100

Top Box

Ex: $\frac{3}{7} = 0.43$

7 $\overline{) 3}$

Round to the nearest hundredth

Decimal to a Fraction

Example: $0.13 = \frac{13}{100}$ $0.4 = \frac{4}{10} = \frac{2}{5}$ Read the Decimal

Read the decimal number. The denominator is either **10** or **100**

Always Simplify

Percent to a Fraction

Example: $54\% = \frac{54}{100} = \frac{27}{50}$

Percents are out of **100**

Always Simplify

Percent of a Number

Example:

25% of 150

$$.25 \times 150 = 37.5$$

Discount/Sale

Example:

20% off of \$250.00

$$.20 \times 250 = 50$$

Then **subtract** sale from cost.

$$\$250 - \$50 = \$200$$

tip

Example:

15% tip on \$36.00

$$.15 \times 36 = 5.4$$

Then **add** tip to cost.

$$\$36.00 + \$5.40 = \$41.40$$

