

Percent Notes

Changing a % to a decimal

Move the decimal 2 spaces to the left

$$25\% = \overset{\curvearrowright}{25.} = .25$$

Changing a decimal into a %

Move the decimal 2 spaces to the right

$$.25 = \overset{\curvearrowright}{.25} = 25\%$$

Percents to Decimals: Move decimal two places to left, and drop the % sign

Examples:

1) $57\% = \underline{0.57}$

2) $9\% = \underline{0.09}$

3) $2.5\% = \underline{0.025}$

4) $400\% = \underline{4.00 = 4}$

Practice:

5) $65\% = \underline{\hspace{2cm}}$

6) $7\% = \underline{\hspace{2cm}}$

7) $15.5\% = \underline{\hspace{2cm}}$

8) $225\% = \underline{\hspace{2cm}}$

Decimals to Percents: Move decimal point two places to the right and add the % sign

Examples:

1) $0.36 = \underline{36\%}$

2) $0.3 = \underline{30\%}$

3) $0.015 = \underline{1.5\%}$

4) $3 = \underline{300\%}$

Practice:

5) $0.07 = \underline{\hspace{2cm}}$

6) $0.95 = \underline{\hspace{2cm}}$

7) $0.087 = \underline{\hspace{2cm}}$

8) $2.25 = \underline{\hspace{2cm}}$

To figure 10% of any number, move the decimal one place to the left, round off if necessary (money).

Example: What is 10% of \$ 3.49

$$\underbrace{\$3.49}_{\text{move decimal left}} = \$0.349 = \$0.35$$

What is 20% of \$3.49

$$\underbrace{\$3.49}_{\text{move decimal left}} = \$0.349 = \$0.35$$

$$20\% \text{ is } 2 * 10\% \qquad 2 * \$0.35 = \$0.70$$