

Name \_\_\_\_\_

Date \_\_\_\_\_

## Find Percentages of Numbers - Guided Lesson Explanation

When solving percentage problems, the basic formula is:

$x = \text{percentage as a decimal (Original Value)}$

### Explanation#1

We convert the percentage to a decimal.  $75\% = 0.75$

Using the original formula:

$$x = 0.75 (100) \quad x = 75$$

### Explanation#2

We convert the percentage to a decimal.  $45\% = 0.45$

Using the original formula:

$$x = 0.45 (50) \quad x = 22.5$$

### Explanation#3

We convert the percentage to a decimal.  $140\% = 1.4$

Using the original formula:

$$x = 1.4 (500) \quad x = 700$$

