\*Learning Target:

\*Critical Content:

Percent of Change –  
  
Percent of Increase -  
  
Percent of Decrease –

Percent of Change:

Ex1: Determine whether each percent of change is a percent of increase or a percent of decrease. Then, find the percent of change.  
a) Original: 20, Final: 23 b) Original: 25, Final: 17 1a) Original: 66, New: 30

Ex2: The total number of cruise ships in North America increased 18% from 2000 to 2004. If there were 192 ships in 2005, how many were there in 2000?   
\*Have to use cross products to solve this.

Sales Tax –

Discount –

Ex3: Marta is purchasing wire and beads to make jewelry. Her merchandise is $28.62 before tax. If the tax is 7.25%, what is the final cost?

Ex3: A new DVD costs $24.99. If the sales tax is 6.85%, what is the total cost?

Ex4: Tyrell gets good grades, so he qualifies for a discount on his car insurance. His monthly payment without the discount is $85. If the discount is 20%, what will he pay each month?

Ex4: A picture frame originally priced at $14.89 is on sale for 40% off. What is the discounted price?