Percent Increase/Decrease problems:

- First decide if it's increasing or decreasing
- Subtract the two amounts to find out "by how much" it's increasing/decreasing (difference)
- Set up proportion to solve: $\frac{difference}{original} = \frac{x}{100}$

1. John's typing went from 40 words per minute to 45 words per minute. Is this an increase or decrease? _____

by how much?_____ % inc/dec _____

2. The price of a hamburger went from 50 cents to 60 cents. Is this an increase or decrease? _____ by how much _____

% inc/dec _____

3. The number of students enrolled at a school went from 1500 to 1300. Is this an increase or decrease? _____

by how much? _____ % inc/dec _____

4. Traffic was slowing down ahead, so the car had to go from 60 mph to 45 mph. Is this an increase or decrease? _____

by how much? _____ % inc/dec _____

5. The stock when from $30 a share to $45 a share. Is this an increase or decrease? _____ by how much? _____

% inc/dec _____

Reducing Fractions:

- Find a number that divides into both the top and the bottom
- Keep doing this until 1 is the only thing that divides into both the top and the bottom.

Reduce the following:

1. $\frac{4}{8}$
2. $\frac{15}{35}$
3. $\frac{48}{18}$
4. $\frac{36}{42}$
5. $\frac{24}{20}$
6. $\frac{30}{15}$