M7R

### FEBRUARP 13, 2012

GET OUT WS4 FROM FRIDAY

Due Tuesday

# Student Assessments!

#### 2/13 - Percent Increase and Decrease

#### Which is the better deal?

- 1. Allowance went from \$5 every week to \$7 every week
- 2. Allowance went from \$22 every month to \$26 every month



"Percent increase"
shows how much
bigger a number is
compared to the original.

So.....

$$\frac{\%}{100} = \frac{\text{amount of increase/decrease}}{\text{original amount}}$$

1. Allowance went from \$5 every week to \$7 every week

2. Allowance went from \$22 every month to \$26 every month

$$\frac{p}{100} \times \frac{4}{22}$$
 $\frac{22p}{22} = 400$ 
 $\frac{22}{22} = 8.2\% inc.$ 

400 ÷ 22 = 18.18181818182

#### Which is a better sale?

1. from \$24 to \$18

2. from \$50 to \$40

 $\frac{\%}{100} = \frac{\text{amount of increase/decrease}}{\text{original amount}}$ 

Find each percent change. Round to the nearest tenth of a percent. State if it is an increase or decrease.

$$\frac{P}{100} = \frac{26}{56} = \frac{-\frac{56}{30}}{26}$$

$$\frac{56p = 2600}{56}$$

From 66 miles to 87 miles

$$p = \frac{21}{66} = \frac{66}{21}$$

2100 ÷ 66 = 31.81818181818

$$\frac{p}{100} = \frac{25}{54} - \frac{54}{25}$$

$$\frac{54p}{54} = \frac{2500}{54}$$

$$9 = 46.3\% \text{ inc.}$$

From 62 inches to 22 inches

$$\frac{D}{100} = \frac{40}{62}$$

$$\frac{62p - 4000}{62}$$

$$p = 64.5161290322581$$

## POMEWORK

Gold PERCENT (0)S5

**Du** Tuesday