Pre Algebra - Review for Quiz % Increase/Decrease, Interest, Word Problems with %'s

OA School newspaper says that 3 students, or 6% of the Students surveyed, can wiggle their ears. How many Students were surveyed?

$$\frac{3}{x} = \frac{6}{100}$$

$$\frac{6}{6}x = \frac{300}{6}$$

$$x = 50 \text{ Students}$$

- There were 198,000 spectators at the WWF wrestling match in 1995. In 1997 there were 147,000. What is the percent increase or decrease?
- 2 198000-167000 = 31000 = .16 = 198000 | 198000 = .16 = 1690 D
- 3) The original price for the green shoes was \$79.00. The new price is \$89.00. What is the percent increase or decrease?
- Mr. Guditus brught a Ford Mustang and took a loan for #32,000. The interest rate is 12% for 62 year period. What is the interest?
- (4) I = PRT I = (32000)(.12)(6.5) I = 924,960

$$\begin{array}{r}
5 \\
158 = x \\
195 = 100 \\
195 x = 15800 \\
195 = 195 \\
x = 81 %
\end{array}$$

6 your aunt & uncle purchase a new refrigurator. They borrow \$1500 for 8 mths at a rate of 2.5%. What is the interest they must pay back?

The car salesperson earns a 6.5% commission on every Car sold. The salesperson sells a car for \$21,800. What is the commission?

$$\frac{\chi}{21800} = \frac{6.5}{100}$$

$$\frac{100}{100} \times = \frac{141700}{100}$$

$$\chi = \frac{41417}{1417}$$

or .065(21,800)= *1417