Bellwork   Hon Alg 2   Monday, April 24, 2017

1. If your salary this year is 10% more than last year, then this years salary is what percent of last years salary?

2. If the value of your car this year is 25% lower than the value of your car was last year, then the value of your car this year is what percent of last years value?

3. The population of a city in 2012 was 24,400. The population has been increasing by 3.5% each year. Find the population in 2013 to the nearest whole number.

4. Last month the price of a TV was $320. This month the price has been decreased by 15%. Find the new price of the TV to the nearest dollar.

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1. If your salary this year is 10% more than last year, then this years salary is what percent of last years salary?

$$100 + 10 = \boxed{110\%}$$

2. If the value of your car this year is 25% lower than the value of your car was last year, then the value of your car this year is what percent of last years value?

$$100 - 25\% = \boxed{75\%}$$

3. The population of a city in 2012 was 24,400. The population has been increasing by 3.5% each year. Find the population in 2013 to the nearest whole number.

$$100 + 3.5 = 103.5\%$$

$$2013 \text{ population} = (24,400)(1.035) = \boxed{25,254}$$

4. Last month the price of a TV was $320. This month the price has been decreased by 15%. Find the new price of the TV to the nearest dollar.

$$100 - 15 = 85\%$$

$$\text{New Price} = (320)(.85) = \boxed{\$272}$$

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