1-1-3 Activity

1. A watch’s wholesale price was $440.00. The retailer marked up the price by 35%. What’s the watch’s new price (markup price)?
2. In the past few seasons’ basketball games, Lindsay attempted 110 free throws, and made 22 of them. What percent of free throws did Lindsay make?
3. A painting is on sale at $425.00. Its original price was $500.00. What percentage is this off its original price?
4. 57.4 grams of pure alcohol was used to produce a bottle of 28.7% alcohol solution. What is the weight of the solution in grams?
5. A town has 1900 registered residents. Among them, there are 513 Democrats and 589 Republicans. The rest are Independents. What percentage of registered voters in this town are Independents?
6. Answer the following for population in 2021 of 100 people. Then answer for a 2021 population of 384569. Then answer for a 2021 population of x people:

If the population of a town goes down by 13.2% in the next year, what percentage of 2021’s population is 2022’s population? If the population continues to decrease by 13.2% each year, what percentage of 2021’s population will 2023’s population be? If the population has been decreasing by 13.2% for quite some time, what percentage of 2021’s population was 2020’s population?

1. Answer the following for population in 2021 of 100 people. Then answer for a 2021 population of 384569. Then answer for a 2021 population of x people.

If the population of a town goes up by 13.2% in the next year, what percentage of 2021’s population is 2022’s population? If the population continues to grow by 13.2% each year, what percentage of 2021’s population will 2023’s population be? If the population has been increasing by 13.2% for quite some time, what percentage of 2021’s population was 2020’s population?

1. If Minnie raises prices of a bow by 23% this week and then lowers the prices of the same bow by 23% next week, argue why the price of the bow after the 23% decrease will be lower than the price of the bow before the 23% increase. What percentage of the original price will the final price be? Do the same, except Minnie lowers the price and then raises the price.