Topic 4: Applications of Percents - Block 5 Homework

1. A bottle of juice says it holds 2 cups, but it actually only contains 1 cup 5 ounces. (Note: 1 cup = 8 ounces)

   The bottle of juice holds _____ ounces less than it should. This represents a _____ percent

   error.

2. Statistics on income in the United States indicate that college graduates earn an average yearly salary of

   approximately $48,000 while someone with only a high school diploma earns an average yearly salary of

   about $24,000. Which statements are true? **Highlight or circle all that apply**

You should go to college if you want to increase your earning power by about 100%.
College graduates in the United States typically earn double the salary of high school graduates.
Over a 10-year period of time in the United States, a college graduate will generally earn about $240,000 more than a high school graduate.
Doubling a number is the same as increasing that number by 100%.
It takes two years for a high school graduate in the United States to earn the same money as a college graduate earns in one year; therefore, it takes a high school graduate 50% more time to earn the same money a college grade earns.

3. Nita tried to measure an object that was 100 m long. Her percent error was 10%. Which of the following

   could have been her measure? **Select all that apply.**

   □ 90 m long   □ 100 m long

   □ 1000 m long   □ 10 m long

   □ 110 m long

4. Arrange these expressions involving percents in order from smallest to largest.

150% of 200	80% of 500	200% of 95	50% of 400	300% of 85