Solve each problem. Round your answer to the nearest hundredth.

1) A small bag of flour weighed 13 ounces. A large bag was 5 percent heavier. How much does the large bag weigh?

2) A loan company charged 35 percent interest on every dollar borrowed. If a person borrowed 177 dollars, how much would they end up paying total?

3) A plant was 46 centimeters tall. After a month it had grown 7% taller. How tall was the plant after a month?

4) Ned created a video that was originally 40 minutes long, but he ended up cutting it by 8 percent. How long was his video after he cut it?

5) An old cell phone battery would last for 13 hours. The new battery lasts 29 percent longer. How long will the new battery last?

6) A furniture store had a chair that cost $33. After a few months the owner took 9% off the price. How much is the chair now?

7) Olivia ordered a shirt online that cost her $38 total. The package arrived late so the seller took 16% off the price. How much did she end up paying?

8) A store was selling lawn mowers for $69. The repair agreement is 23 percent of the price of the mower. How much would it cost for a mower and repair agreement?

9) An older TV screen was 11 centimeters wide. The newer model increased the screen size by 10 percent. How wide is the new TV screen?

10) The early version of a cell phone was 93 millimeters thick. The current version is about 16% thinner. How thick is the newer version?

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Answers

1. 13.65
2. 238.95
3. 49.22
4. 36.80
5. 16.77
6. 30.03
7. 31.92
8. 84.87
9. 12.10
10. 78.12