Adding & Subtracting Percents of Quantity

Name: _____

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

1) A plant was 36 centimeters tall. After a month it had grown 16% taller. How tall was the plant after a month?

2) An older TV screen was 42 centimeters wide. The newer model increased the screen size by 11%. How wide is the new TV screen?

3) A video game was $44. This weekend the game will be marked 11 percent off. How much is the game this weekend?

4) An old cell phone battery would last for 19 hours. The new battery lasts 23% longer. How long will the new battery last?

5) A furniture store had a chair that cost $39. After a few months the owner took 9 percent off the price. How much is the chair now?

6) Gwen ordered a shirt online that cost her $20 total. The package arrived late so the seller took 11 percent off the price. How much did she end up paying?

7) A store was selling lawn mowers for $54. The repair agreement is 29% of the price of the mower. How much would it cost for a mower and repair agreement?

8) A small bag of flour weighed 30 ounces. A large bag was 11% heavier. How much does the large bag weigh?

9) Billy created a video that was originally 61 minutes long, but he ended up cutting it by 17 percent. How long was his video after he cut it?

10) The early version of a cell phone was 92 millimeters thick. The current version is about 20 percent thinner. How thick is the newer version?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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

1) A plant was 36 centimeters tall. After a month it had grown 16% taller. How tall was the plant after a month?

1. **41.76**

2) An older TV screen was 42 centimeters wide. The newer model increased the screen size by 11%. How wide is the new TV screen?

2. **46.62**

3. **39.16**

3) A video game was $44. This weekend the game will be marked 11 percent off. How much is the game this weekend?

4. **23.37**

5. **35.49**

4) An old cell phone battery would last for 19 hours. The new battery lasts 23% longer. How long will the new battery last?

6. **17.80**

7. **69.66**

5) A furniture store had a chair that cost $39. After a few months the owner took 9 percent off the price. How much is the chair now?

8. **33.30**

9. **50.63**

10. **73.60**

6) Gwen ordered a shirt online that cost her $20 total. The package arrived late so the seller took 11 percent off the price. How much did she end up paying?

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Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____