

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

- 1) An older TV screen was 31 centimeters wide. The newer model increased the screen size by 18 percent. How wide is the new TV screen?
- 2) The bill at an electronics store was \$51 before tax. Tax is 6 percent. What is the total price with tax?
- 3) A furniture store had a chair that cost \$48. After a few months the owner took 12 percent off the price. How much is the chair now?
- 4) A store was selling lawn mowers for \$81. The repair agreement is 5 percent of the price of the mower. How much would it cost for a mower and repair agreement?
- 5) The early version of a cell phone was 145 millimeters thick. The current version is about 14 percent thinner. How thick is the newer version?
- 6) An old cell phone battery would last for 18 hours. The new battery lasts 20 percent longer. How long will the new battery last?
- 7) Gwen's hair was 46 centimeters long. Over summer though she cut off 20 percent. How long was her hair after the haircut?
- 8) Billy created a video that was originally 73 minutes long, but he ended up cutting it by 13 percent. How long was his video after he cut it?
- 9) A loan company charged 37 percent interest on every dollar borrowed. If a person borrowed 185 dollars, how much would they end up paying total?
- 10) A restaurant bill was \$34 after tax. If you wanted to leave a 11 percent tip, how much should you leave total?

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| 1) An older TV screen was 31 centimeters wide. The newer model increased the screen size by 18 percent. How wide is the new TV screen?                             | 1. <u>36.58</u>  |
| 2) The bill at an electronics store was \$51 before tax. Tax is 6 percent. What is the total price with tax?   | 2. <u>54.06</u>  |
| 3) A furniture store had a chair that cost \$48. After a few months the owner took 12 percent off the price. How much is the chair now?                            | 3. <u>42.24</u>  |
| 4) A store was selling lawn mowers for \$81. The repair agreement is 5 percent of the price of the mower. How much would it cost for a mower and repair agreement? | 4. <u>85.05</u>  |
| 5) The early version of a cell phone was 145 millimeters thick. The current version is about 14 percent thinner. How thick is the newer version?                   | 5. <u>124.70</u> |
| 6) An old cell phone battery would last for 18 hours. The new battery lasts 20 percent longer. How long will the new battery last?                                 | 6. <u>21.60</u>  |
| 7) Gwen's hair was 46 centimeters long. Over summer though she cut off 20 percent. How long was her hair after the haircut?  | 7. <u>36.80</u>  |
| 8) Billy created a video that was originally 73 minutes long, but he ended up cutting it by 13 percent. How long was his video after he cut it?                    | 8. <u>63.51</u>  |
| 9) A loan company charged 37 percent interest on every dollar borrowed. If a person borrowed 185 dollars, how much would they end up paying total?                 | 9. <u>253.45</u> |
| 10) A restaurant bill was \$34 after tax. If you wanted to leave a 11 percent tip, how much should you leave total?  | 10. <u>37.74</u> |

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36.58	54.06	42.24	21.60	37.74
124.70	63.51	85.05	36.80	253.45

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