

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

- 1) An old cell phone battery would last for 16 hours. The new battery lasts 30% longer. How long will the new battery last?
- 2) Dave created a video that was originally 80 minutes long, but he ended up cutting it by 17 percent. How long was his video after he cut it?
- 3) A restaurant bill was \$28 after tax. If you wanted to leave a 15% tip, how much should you leave total?
- 4) The early version of a cell phone was 124 millimeters thick. The current version is about 12 percent thinner. How thick is the newer version?
- 5) A store was selling lawn mowers for \$81. The repair agreement is 27% of the price of the mower. How much would it cost for a mower and repair agreement?
- 6) Bianca's hair was 46 centimeters long. Over summer though she cut off 9 percent. How long was her hair after the haircut?
- 7) A large candy bar was 132 calories. The smaller candy bar has 16 percent less calories. How many calories does the smaller candy bar have?
- 8) A video game was \$42. This weekend the game will be marked 16 percent off. How much is the game this weekend?
- 9) A furniture store had a chair that cost \$42. After a few months the owner took 9 percent off the price. How much is the chair now?
- 10) An older TV screen was 12 centimeters wide. The newer model increased the screen size by 10%. How wide is the new TV screen?

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| 1) An old cell phone battery would last for 16 hours. The new battery lasts 30% longer. How long will the new battery last?                                  | 1. <b>20.80</b>  |
| 2) Dave created a video that was originally 80 minutes long, but he ended up cutting it by 17 percent. How long was his video after he cut it?               | 2. <b>66.40</b>  |
| 3) A restaurant bill was \$28 after tax. If you wanted to leave a 15% tip, how much should you leave total?  | 3. <b>32.20</b>  |
| 4) The early version of a cell phone was 124 millimeters thick. The current version is about 12 percent thinner. How thick is the newer version?             | 4. <b>109.12</b> |
| 5) A store was selling lawn mowers for \$81. The repair agreement is 27% of the price of the mower. How much would it cost for a mower and repair agreement? | 5. <b>102.87</b> |
| 6) Bianca's hair was 46 centimeters long. Over summer though she cut off 9 percent. How long was her hair after the haircut?                                 | 6. <b>41.86</b>  |
| 7) A large candy bar was 132 calories. The smaller candy bar has 16 percent less calories. How many calories does the smaller candy bar have?                | 7. <b>110.88</b> |
| 8) A video game was \$42. This weekend the game will be marked 16 percent off. How much is the game this weekend?  | 8. <b>35.28</b>  |
| 9) A furniture store had a chair that cost \$42. After a few months the owner took 9 percent off the price. How much is the chair now?                       | 9. <b>38.22</b>  |
| 10) An older TV screen was 12 centimeters wide. The newer model increased the screen size by 10%. How wide is the new TV screen?                             | 10. <b>13.20</b> |

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20.80	102.87	38.22	13.20	41.86
109.12	32.20	35.28	110.88	66.40

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