

**Solve each problem.****Answers**

- 1) A pole was supposed to be 20 meters long, but it was accidentally made 26.8 meters long. The pole is _____ percent longer than it needs to be.
- 2) A store sold 13 dollars worth of gift cards in October. The next month the goal was to sell \$16.38 worth of gift cards. This is an increase of _____ percent.
- 3) Jerry used to have \$430 in the bank but after a year the amount increased to \$498.8. This was an increase of _____%.
- 4) A game normally cost \$51, but Carol used a coupon and got the game for \$33.66. The coupon was for _____ percent off.
- 5) The price for internet on a phone was \$10 a month, but starting in November the price will be \$14.6 a month. This is a _____% increase.
- 6) In the spring the average score for a division worksheet was 85. But back in the fall the average score was 74.8. The fall score was _____% lower than the spring score.
- 7) At a restaurant the bill came to \$78. If you leave \$113.88, what percent tip is that?
- 8) Emily's family decided to get rid of their cable TV. Originally they were paying \$87 for the TV, internet and phone, but now they're paying \$67.86. What was the percent the bill decreased by?
- 9) A library normally collected \$37 in fees a month. But in March they collected \$42.18. What is the percent increase in the number of fees collected in March?
- 10) Last month Ned spent 59 dollars on games. This month he only spent \$38.94. He spent _____ percent less this month.

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1. **34**
2. **26**
3. **16**
4. **34**
5. **46**
6. **12**
7. **46**
8. **22**
9. **14**
10. **34**



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