

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

- 1) It used to take Gwen 8 minutes to do 20 multiplication problems. Now she can do the same page in 11.36 minutes. She is now _____ percent faster.
- 2) A store normally averaged 155 customers a day. But on the weekends they averaged 83.7 customers a day. What is the percent decrease in the number of customers?
- 3) Paige used to live 15 kilometers away from the school, but after she moved she now lives 7.5 kilometers away. She is _____ percent closer to the school.
- 4) Last years phone model had a battery that lasted 14 hours. This year the battery only last for 8.12 hours. What was the percent the battery life decreased?
- 5) Normally a game costs \$38.00. But the new special edition version is going to be \$44.08. This is an increase of _____ percent.
- 6) Normally a chef uses 15 ounces of chocolate to make chocolate chip cookies. But he started using 20.4 ounces instead. He should advertise the cookies as having _____ percent more chocolate.
- 7) A pole was supposed to be 19 meters long, but it was accidentally made 25.08 meters long. The pole is _____ percent longer than it needs to be.
- 8) At a restaurant the bill came to \$93.00. If you leave \$119.04, what percent tip is that?
- 9) In February Katie got a puppy that weighed 15 kilograms. By October the puppy weighed 19.2 kilograms. What was the percent the puppy's weight increased?
- 10) Last month Paul spent 52.00 dollars on games. This month he only spent \$32.24. He spent _____ percent less this month.

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Answers

1. **42**
2. **46**
3. **50**
4. **42**
5. **16**
6. **36**
7. **32**
8. **28**
9. **28**
10. **38**



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