

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

- 1) A large soda is 266 calories and a small soda is 133 calories. The small soda has _____ percent fewer calories.
- 2) Lana bought a computer for \$193.20. Luke bought one for \$322.00. Lana's computer was _____ percent cheaper.
- 3) Frank spent 20 minutes on his math homework and 23.2 minutes on his spelling homework. He spent _____ percent more time on his spelling homework.
- 4) A store sold 15.00 dollars worth of gift cards in October. The next month the goal was to sell \$20.10 worth of gift cards. This is an increase of _____ percent.
- 5) At a restaurant the bill came to \$85.00. If you leave \$117.30, what percent tip is that?
- 6) The price for internet on a phone was \$7.00 a month, but starting in November the price will be \$10.50 a month. This is a _____% increase.
- 7) Last month Victor spent 77.00 dollars on games. This month he only spent \$67.76. He spent _____ percent less this month.
- 8) Normally a chef uses 12 ounces of chocolate to make chocolate chip cookies. But he started using 17.28 ounces instead. He should advertise the cookies as having _____ percent more chocolate.
- 9) Normally a game costs \$40.00. But the new special edition version is going to be \$45.60. This is an increase of _____ percent.
- 10) A pole was supposed to be 11 meters long, but it was accidentally made 12.76 meters long. The pole is _____ percent longer than it needs to be.

1. _____
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Answers

1. **50**
2. **40**
3. **16**
4. **34**
5. **38**
6. **50**
7. **12**
8. **44**
9. **14**
10. **16**

**Solve each problem.**

- 1) Roger spent 21 minutes on his math homework and 29.4 minutes on his spelling homework. He spent _____ percent more time on his spelling homework.
- 2) A small fruit smoothie is 22 ounces while a large fruit smoothie is 25.96 ounces. The large fruit smoothie is _____% larger.
- 3) Last years phone model had a battery that lasted 15 hours. This year the battery only last for 10.5 hours. What was the percent the battery life decreased?
- 4) In February Janet got a puppy that weighed 12 kilograms. By October the puppy weighed 14.88 kilograms. What was the percent the puppy's weight increased?
- 5) A library normally collected \$47.00 in fees a month. But in March they collected \$59.22. What is the percent increase in the number of fees collected in March?
- 6) In the spring the average score for a division worksheet was 98. But back in the fall the average score was 49. The fall score was _____% lower than the spring score.
- 7) Amy's family decided to get rid of their cable TV. Originally they were paying \$98.00 for the TV, internet and phone, but now they're paying \$72.52. What was the percent the bill decreased by?
- 8) Normally a game costs \$40.00. But the new special edition version is going to be \$51.20. This is an increase of _____ percent.
- 9) At a restaurant the bill came to \$82.00. If you leave \$119.72, what percent tip is that?
- 10) Bianca used to live 12 kilometers away from the school, but after she moved she now lives 10.8 kilometers away. She is _____ percent closer to the school.

Answers

1. _____
2. _____
3. _____
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Answers

1. 40
2. 18
3. 30
4. 24
5. 26
6. 50
7. 26
8. 28
9. 46
10. 10

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

- 1) Last years phone model had a battery that lasted 12 hours. This year the battery only last for 7.44 hours. What was the percent the battery life decreased?
- 2) Lana used to live 12 kilometers away from the school, but after she moved she now lives 8.88 kilometers away. She is _____ percent closer to the school.
- 3) A library normally collected \$38.00 in fees a month. But in March they collected \$51.68. What is the percent increase in the number of fees collected in March?
- 4) Janet bought a computer for \$378.30. John bought one for \$485.00. Janet's computer was _____ percent cheaper.
- 5) Last month Jerry spent 93.00 dollars on games. This month he only spent \$68.82. He spent _____ percent less this month.
- 6) Normally a chef uses 12 ounces of chocolate to make chocolate chip cookies. But he started using 16.56 ounces instead. He should advertise the cookies as having _____ percent more chocolate.
- 7) A store sold 14.00 dollars worth of gift cards in October. The next month the goal was to sell \$17.08 worth of gift cards. This is an increase of _____ percent.
- 8) It used to take Isabel 8 minutes to do 20 multiplication problems. Now she can do the same page in 8.96 minutes. She is now _____ percent faster.
- 9) In the spring the average score for a division worksheet was 50. But back in the fall the average score was 38. The fall score was _____% lower than the spring score.
- 10) A large soda is 216 calories and a small soda is 177.12 calories. The small soda has _____ percent fewer calories.

1. _____
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10. _____

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6. 38
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8. 12
9. 24
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