



Solve each problem.

**Answers**

- 1) A small fruit smoothie is 11 ounces while a large fruit smoothie is 13.86 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 2) In February Robin got a puppy that weighed 13 kilograms. By October the puppy weighed 18.46 kilograms. What was the percent the puppy's weight increased?
- 3) It used to take Rachel 10 minutes to do 20 multiplication problems. Now she can do the same page in 13.4 minutes. She is now \_\_\_\_\_ percent faster.
- 4) A large soda is 286 calories and a small soda is 240.24 calories. The small soda has \_\_\_\_\_ percent fewer calories.
- 5) A pole was supposed to be 16 meters long, but it was accidentally made 20.48 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 6) The price for internet on a phone was \$7 a month, but starting in November the price will be \$10.36 a month. This is a \_\_\_\_\_% increase.
- 7) Last year a fishing license cost \$53. This year the license will cost \$33.92. This is a \_\_\_\_\_ percent decrease.
- 8) A store normally averaged 165 customers a day. But on the weekends they averaged 128.7 customers a day. What is the percent decrease in the number of customers?
- 9) A library normally collected \$49 in fees a month. But in March they collected \$73.5. What is the percent increase in the number of fees collected in March?
- 10) A game normally cost \$50, but Gwen used a coupon and got the game for \$29. The coupon was for \_\_\_\_\_ percent off.

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Solve each problem.

**Answers**

- |   |               |
|---|---------------|
| 1) A small fruit smoothie is 11 ounces while a large fruit smoothie is 13.86 ounces. The large fruit smoothie is _____% larger.                                     | 1. <u>26</u>  |
| 2) In February Robin got a puppy that weighed 13 kilograms. By October the puppy weighed 18.46 kilograms. What was the percent the puppy's weight increased?        | 2. <u>42</u>  |
| 3) It used to take Rachel 10 minutes to do 20 multiplication problems. Now she can do the same page in 13.4 minutes. She is now _____ percent faster.               | 3. <u>34</u>  |
| 4) A large soda is 286 calories and a small soda is 240.24 calories. The small soda has _____ percent fewer calories.   | 4. <u>16</u>  |
| 5) A pole was supposed to be 16 meters long, but it was accidentally made 20.48 meters long. The pole is _____ percent longer than it needs to be.                  | 5. <u>28</u>  |
| 6) The price for internet on a phone was \$7 a month, but starting in November the price will be \$10.36 a month. This is a _____% increase.                        | 6. <u>48</u>  |
| 7) Last year a fishing license cost \$53. This year the license will cost \$33.92. This is a _____ percent decrease.  | 7. <u>36</u>  |
| 8) A store normally averaged 165 customers a day. But on the weekends they averaged 128.7 customers a day. What is the percent decrease in the number of customers? | 8. <u>22</u>  |
| 9) A library normally collected \$49 in fees a month. But in March they collected \$73.5. What is the percent increase in the number of fees collected in March?    | 9. <u>50</u>  |
| 10) A game normally cost \$50, but Gwen used a coupon and got the game for \$29. The coupon was for _____ percent off.  | 10. <u>42</u> |



Solve each problem.

28	36	42	42	34
48	22	26	16	50

**Answers**

- 1) A small fruit smoothie is 11 ounces while a large fruit smoothie is 13.86 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 2) In February Robin got a puppy that weighed 13 kilograms. By October the puppy weighed 18.46 kilograms. What was the percent the puppy's weight increased?
- 3) It used to take Rachel 10 minutes to do 20 multiplication problems. Now she can do the same page in 13.4 minutes. She is now \_\_\_\_\_ percent faster.
- 4) A large soda is 286 calories and a small soda is 240.24 calories. The small soda has \_\_\_\_\_ percent fewer calories.
- 5) A pole was supposed to be 16 meters long, but it was accidentally made 20.48 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 6) The price for internet on a phone was \$7 a month, but starting in November the price will be \$10.36 a month. This is a \_\_\_\_\_% increase.
- 7) Last year a fishing license cost \$53. This year the license will cost \$33.92. This is a \_\_\_\_\_ percent decrease.
- 8) A store normally averaged 165 customers a day. But on the weekends they averaged 128.7 customers a day. What is the percent decrease in the number of customers?
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- 10) A game normally cost \$50, but Gwen used a coupon and got the game for \$29. The coupon was for \_\_\_\_\_ percent off.

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10. \_\_\_\_\_



Solve each problem.

**Answers**

- 1) In February Haley got a puppy that weighed 14 kilograms. By October the puppy weighed 18.76 kilograms. What was the percent the puppy's weight increased?
- 2) Normally a game costs \$36. But the new special edition version is going to be \$48.24. This is an increase of \_\_\_\_\_ percent.
- 3) A library normally collected \$41 in fees a month. But in March they collected \$46.74. What is the percent increase in the number of fees collected in March?
- 4) A pole was supposed to be 14 meters long, but it was accidentally made 15.96 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 5) In the spring the average score for a division worksheet was 73. But back in the fall the average score was 65.7. The fall score was \_\_\_\_\_% lower than the spring score.
- 6) A large soda is 290 calories and a small soda is 237.8 calories. The small soda has \_\_\_\_\_ percent fewer calories.
- 7) In February Ned spent 48 hours watching Netflix. In March he only spent 39.36 hours watching. What was the percent decrease in the amount of time he spent watching?
- 8) A store normally averaged 143 customers a day. But on the weekends they averaged 97.24 customers a day. What is the percent decrease in the number of customers?
- 9) Last year a fishing license cost \$51. This year the license will cost \$45.9. This is a \_\_\_\_\_ percent decrease.
- 10) Last month Henry spent 92 dollars on games. This month he only spent \$62.56. He spent \_\_\_\_\_ percent less this month.

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Solve each problem.

**Answers**

- 1) In February Haley got a puppy that weighed 14 kilograms. By October the puppy weighed 18.76 kilograms. What was the percent the puppy's weight increased?
- 2) Normally a game costs \$36. But the new special edition version is going to be \$48.24. This is an increase of \_\_\_\_\_ percent.
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- 9) Last year a fishing license cost \$51. This year the license will cost \$45.9. This is a \_\_\_\_\_ percent decrease.
- 10) Last month Henry spent 92 dollars on games. This month he only spent \$62.56. He spent \_\_\_\_\_ percent less this month.

1. **34**
2. **34**
3. **14**
4. **14**
5. **10**
6. **18**
7. **18**
8. **32**
9. **10**
10. **32**



Solve each problem.

**Answers**

34	10	10	14	18
14	32	34	32	18

- 1) In February Haley got a puppy that weighed 14 kilograms. By October the puppy weighed 18.76 kilograms. What was the percent the puppy's weight increased?
- 2) Normally a game costs \$36. But the new special edition version is going to be \$48.24. This is an increase of \_\_\_\_\_ percent.
- 3) A library normally collected \$41 in fees a month. But in March they collected \$46.74. What is the percent increase in the number of fees collected in March?
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**Solve each problem.****Answers**

- 1) Last years phone model had a battery that lasted 15 hours. This year the battery only last for 11.4 hours. What was the percent the battery life decreased?
- 2) A large soda is 209 calories and a small soda is 158.84 calories. The small soda has \_\_\_\_\_ percent fewer calories.
- 3) Janet's family decided to get rid of their cable TV. Originally they were paying \$80 for the TV, internet and phone, but now they're paying \$65.6. What was the percent the bill decreased by?
- 4) A small fruit smoothie is 24 ounces while a large fruit smoothie is 33.6 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 5) A store normally averaged 164 customers a day. But on the weekends they averaged 85.28 customers a day. What is the percent decrease in the number of customers?
- 6) Haley bought a computer for \$205.26. Kaleb bought one for \$311. Haley's computer was \_\_\_\_\_ percent cheaper.
- 7) A store sold 14 dollars worth of gift cards in October. The next month the goal was to sell \$19.32 worth of gift cards. This is an increase of \_\_\_\_\_ percent.
- 8) Edward used to have \$432 in the bank but after a year the amount increased to \$613.44. This was an increase of \_\_\_\_\_%.
- 9) In February Will spent 40 hours watching Netflix. In March he only spent 28 hours watching. What was the percent decrease in the amount of time he spent watching?
- 10) The price for internet on a phone was \$9 a month, but starting in November the price will be \$12.24 a month. This is a \_\_\_\_\_% increase.

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Solve each problem.

**Answers**

- 1) Last years phone model had a battery that lasted 15 hours. This year the battery only last for 11.4 hours. What was the percent the battery life decreased?
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- 10) The price for internet on a phone was \$9 a month, but starting in November the price will be \$12.24 a month. This is a \_\_\_\_\_% increase.

1. **24**
2. **24**
3. **18**
4. **40**
5. **48**
6. **34**
7. **38**
8. **42**
9. **30**
10. **36**





Solve each problem.

**Answers**

40	24	24	36	38
42	48	30	18	34

- 1) Last years phone model had a battery that lasted 15 hours. This year the battery only last for 11.4 hours. What was the percent the battery life decreased?
- 2) A large soda is 209 calories and a small soda is 158.84 calories. The small soda has \_\_\_\_\_ percent fewer calories.
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**Solve each problem.****Answers**

- 1) In the spring the average score for a division worksheet was 55. But back in the fall the average score was 30.8. The fall score was \_\_\_\_\_% lower than the spring score.
- 2) It used to take Lana 8 minutes to do 20 multiplication problems. Now she can do the same page in 10.88 minutes. She is now \_\_\_\_\_ percent faster.
- 3) A game normally cost \$57, but Janet used a coupon and got the game for \$35.34. The coupon was for \_\_\_\_\_ percent off.
- 4) Debby's family decided to get rid of their cable TV. Originally they were paying \$141 for the TV, internet and phone, but now they're paying \$93.06. What was the percent the bill decreased by?
- 5) Adam spent 25 minutes on his math homework and 31.5 minutes on his spelling homework. He spent \_\_\_\_\_ percent more time on his spelling homework.
- 6) Last year a fishing license cost \$53. This year the license will cost \$37.1. This is a \_\_\_\_\_ percent decrease.
- 7) Normally a game costs \$32. But the new special edition version is going to be \$37.76. This is an increase of \_\_\_\_\_ percent.
- 8) Maria used to live 14 kilometers away from the school, but after she moved she now lives 9.52 kilometers away. She is \_\_\_\_\_ percent closer to the school.
- 9) Ned used to have \$406 in the bank but after a year the amount increased to \$479.08. This was an increase of \_\_\_\_\_%.
- 10) A library normally collected \$31 in fees a month. But in March they collected \$42.78. What is the percent increase in the number of fees collected in March?

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**Answers**

1. **44**
2. **36**
3. **38**
4. **34**
5. **26**
6. **30**
7. **18**
8. **32**
9. **18**
10. **38**



Solve each problem.

18

38

44

26

18

36

34

38

32

30

**Answers**

- 1) In the spring the average score for a division worksheet was 55. But back in the fall the average score was 30.8. The fall score was \_\_\_\_\_% lower than the spring score.
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**Solve each problem.****Answers**

- 1) Amy used to live 15 kilometers away from the school, but after she moved she now lives 13.2 kilometers away. She is \_\_\_\_\_ percent closer to the school.
- 2) Last month Sam spent 58 dollars on games. This month he only spent \$51.04. He spent \_\_\_\_\_ percent less this month.
- 3) Normally a chef uses 12 ounces of chocolate to make chocolate chip cookies. But he started using 16.08 ounces instead. He should advertise the cookies as having \_\_\_\_\_ percent more chocolate.
- 4) Paige bought a computer for \$222.6. Paul bought one for \$318. Paige's computer was \_\_\_\_\_ percent cheaper.
- 5) A store sold 12 dollars worth of gift cards in October. The next month the goal was to sell \$13.92 worth of gift cards. This is an increase of \_\_\_\_\_ percent.
- 6) Normally a game costs \$35. But the new special edition version is going to be \$51.8. This is an increase of \_\_\_\_\_ percent.
- 7) A small fruit smoothie is 13 ounces while a large fruit smoothie is 14.56 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 8) Jerry spent 20 minutes on his math homework and 24 minutes on his spelling homework. He spent \_\_\_\_\_ percent more time on his spelling homework.
- 9) A library normally collected \$37 in fees a month. But in March they collected \$52.54. What is the percent increase in the number of fees collected in March?
- 10) Last year a fishing license cost \$50. This year the license will cost \$30. This is a \_\_\_\_\_ percent decrease.

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1. **12**
2. **12**
3. **34**
4. **30**
5. **16**
6. **48**
7. **12**
8. **20**
9. **42**
10. **40**



Solve each problem.

**Answers**

40	12	48	42	12
12	20	30	34	16

- 1) Amy used to live 15 kilometers away from the school, but after she moved she now lives 13.2 kilometers away. She is \_\_\_\_\_ percent closer to the school.
- 2) Last month Sam spent 58 dollars on games. This month he only spent \$51.04. He spent \_\_\_\_\_ percent less this month.
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- 6) Normally a game costs \$35. But the new special edition version is going to be \$51.8. This is an increase of \_\_\_\_\_ percent.
- 7) A small fruit smoothie is 13 ounces while a large fruit smoothie is 14.56 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 8) Jerry spent 20 minutes on his math homework and 24 minutes on his spelling homework. He spent \_\_\_\_\_ percent more time on his spelling homework.
- 9) A library normally collected \$37 in fees a month. But in March they collected \$52.54. What is the percent increase in the number of fees collected in March?
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**Solve each problem.****Answers**

- 1) Debby used to live 10 kilometers away from the school, but after she moved she now lives 7 kilometers away. She is \_\_\_\_\_ percent closer to the school.
- 2) Frank spent 29 minutes on his math homework and 32.48 minutes on his spelling homework. He spent \_\_\_\_\_ percent more time on his spelling homework.
- 3) Last year a fishing license cost \$57. This year the license will cost \$41.04. This is a \_\_\_\_\_ percent decrease.
- 4) A store sold 15 dollars worth of gift cards in October. The next month the goal was to sell \$18 worth of gift cards. This is an increase of \_\_\_\_\_ percent.
- 5) The price for internet on a phone was \$8 a month, but starting in November the price will be \$9.92 a month. This is a \_\_\_\_\_% increase.
- 6) A store normally averaged 108 customers a day. But on the weekends they averaged 75.6 customers a day. What is the percent decrease in the number of customers?
- 7) A small fruit smoothie is 30 ounces while a large fruit smoothie is 34.2 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 8) In the spring the average score for a division worksheet was 76. But back in the fall the average score was 44.08. The fall score was \_\_\_\_\_% lower than the spring score.
- 9) Normally a game costs \$35. But the new special edition version is going to be \$40.6. This is an increase of \_\_\_\_\_ percent.
- 10) Normally a chef uses 12 ounces of chocolate to make chocolate chip cookies. But he started using 13.44 ounces instead. He should advertise the cookies as having \_\_\_\_\_ percent more chocolate.

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Solve each problem.

**Answers**

- 1) Debby used to live 10 kilometers away from the school, but after she moved she now lives 7 kilometers away. She is \_\_\_\_\_ percent closer to the school.
- 2) Frank spent 29 minutes on his math homework and 32.48 minutes on his spelling homework. He spent \_\_\_\_\_ percent more time on his spelling homework.
- 3) Last year a fishing license cost \$57. This year the license will cost \$41.04. This is a \_\_\_\_\_ percent decrease.
- 4) A store sold 15 dollars worth of gift cards in October. The next month the goal was to sell \$18 worth of gift cards. This is an increase of \_\_\_\_\_ percent.
- 5) The price for internet on a phone was \$8 a month, but starting in November the price will be \$9.92 a month. This is a \_\_\_\_\_% increase.
- 6) A store normally averaged 108 customers a day. But on the weekends they averaged 75.6 customers a day. What is the percent decrease in the number of customers?
- 7) A small fruit smoothie is 30 ounces while a large fruit smoothie is 34.2 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 8) In the spring the average score for a division worksheet was 76. But back in the fall the average score was 44.08. The fall score was \_\_\_\_\_% lower than the spring score.
- 9) Normally a game costs \$35. But the new special edition version is going to be \$40.6. This is an increase of \_\_\_\_\_ percent.
- 10) Normally a chef uses 12 ounces of chocolate to make chocolate chip cookies. But he started using 13.44 ounces instead. He should advertise the cookies as having \_\_\_\_\_ percent more chocolate.

1. **30**
2. **12**
3. **28**
4. **20**
5. **24**
6. **30**
7. **14**
8. **42**
9. **16**
10. **12**



Solve each problem.

**Answers**

30	12	24	42	30
12	14	28	16	20

- 1) Debby used to live 10 kilometers away from the school, but after she moved she now lives 7 kilometers away. She is \_\_\_\_\_ percent closer to the school.
- 2) Frank spent 29 minutes on his math homework and 32.48 minutes on his spelling homework. He spent \_\_\_\_\_ percent more time on his spelling homework.
- 3) Last year a fishing license cost \$57. This year the license will cost \$41.04. This is a \_\_\_\_\_ percent decrease.
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- 9) Normally a game costs \$35. But the new special edition version is going to be \$40.6. This is an increase of \_\_\_\_\_ percent.
- 10) Normally a chef uses 12 ounces of chocolate to make chocolate chip cookies. But he started using 13.44 ounces instead. He should advertise the cookies as having \_\_\_\_\_ percent more chocolate.

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

- 1) A small fruit smoothie is 30 ounces while a large fruit smoothie is 39 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 2) The price for internet on a phone was \$5 a month, but starting in November the price will be \$5.9 a month. This is a \_\_\_\_\_% increase.
- 3) In the spring the average score for a division worksheet was 93. But back in the fall the average score was 70.68. The fall score was \_\_\_\_\_% lower than the spring score.
- 4) At a restaurant the bill came to \$56. If you leave \$63.84, what percent tip is that?
- 5) A pole was supposed to be 17 meters long, but it was accidentally made 19.04 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 6) A store normally averaged 166 customers a day. But on the weekends they averaged 129.48 customers a day. What is the percent decrease in the number of customers?
- 7) Sam spent 23 minutes on his math homework and 33.12 minutes on his spelling homework. He spent \_\_\_\_\_ percent more time on his spelling homework.
- 8) A large soda is 228 calories and a small soda is 173.28 calories. The small soda has \_\_\_\_\_ percent fewer calories.
- 9) Vanessa's family decided to get rid of their cable TV. Originally they were paying \$131 for the TV, internet and phone, but now they're paying \$75.98. What was the percent the bill decreased by?
- 10) Normally a game costs \$32. But the new special edition version is going to be \$47.36. This is an increase of \_\_\_\_\_ percent.

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Solve each problem.

- 1) A small fruit smoothie is 30 ounces while a large fruit smoothie is 39 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
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**Answers**

1. **30**
2. **18**
3. **24**
4. **14**
5. **12**
6. **22**
7. **44**
8. **24**
9. **42**
10. **48**



Solve each problem.

24

18

48

14

22

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42

24

44

12

**Answers**

- 1) A small fruit smoothie is 30 ounces while a large fruit smoothie is 39 ounces. The large fruit smoothie is \_\_\_\_\_% larger.
- 2) The price for internet on a phone was \$5 a month, but starting in November the price will be \$5.9 a month. This is a \_\_\_\_\_% increase.
- 3) In the spring the average score for a division worksheet was 93. But back in the fall the average score was 70.68. The fall score was \_\_\_\_\_% lower than the spring score.
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- 10) Normally a game costs \$32. But the new special edition version is going to be \$47.36. This is an increase of \_\_\_\_\_ percent.

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

- 1) The price for internet on a phone was \$5 a month, but starting in November the price will be \$6 a month. This is a \_\_\_\_\_% increase.
- 2) Edward used to have \$422 in the bank but after a year the amount increased to \$624.56. This was an increase of \_\_\_\_\_%.
- 3) A pole was supposed to be 12 meters long, but it was accidentally made 14.64 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 4) In February Paul spent 35 hours watching Netflix. In March he only spent 20.3 hours watching. What was the percent decrease in the amount of time he spent watching?
- 5) Amy's family decided to get rid of their cable TV. Originally they were paying \$72 for the TV, internet and phone, but now they're paying \$57.6. What was the percent the bill decreased by?
- 6) A game normally cost \$60, but Bianca used a coupon and got the game for \$34.8. The coupon was for \_\_\_\_\_ percent off.
- 7) In February Robin got a puppy that weighed 15 kilograms. By October the puppy weighed 16.8 kilograms. What was the percent the puppy's weight increased?
- 8) Normally a chef uses 13 ounces of chocolate to make chocolate chip cookies. But he started using 16.38 ounces instead. He should advertise the cookies as having \_\_\_\_\_ percent more chocolate.
- 9) Last year a fishing license cost \$57. This year the license will cost \$36.48. This is a \_\_\_\_\_ percent decrease.
- 10) A store sold 14 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.

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Solve each problem.

**Answers**

- 1) The price for internet on a phone was \$5 a month, but starting in November the price will be \$6 a month. This is a \_\_\_\_\_% increase.
- 2) Edward used to have \$422 in the bank but after a year the amount increased to \$624.56. This was an increase of \_\_\_\_\_%.
- 3) A pole was supposed to be 12 meters long, but it was accidentally made 14.64 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 4) In February Paul spent 35 hours watching Netflix. In March he only spent 20.3 hours watching. What was the percent decrease in the amount of time he spent watching?
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- 9) Last year a fishing license cost \$57. This year the license will cost \$36.48. This is a \_\_\_\_\_ percent decrease.
- 10) A store sold 14 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.

1. **20**
2. **48**
3. **22**
4. **42**
5. **20**
6. **42**
7. **12**
8. **26**
9. **36**
10. **22**



Solve each problem.

**Answers**

26	12	42	20	36
22	22	42	20	48

- 1) The price for internet on a phone was \$5 a month, but starting in November the price will be \$6 a month. This is a \_\_\_\_\_% increase.
- 2) Edward used to have \$422 in the bank but after a year the amount increased to \$624.56. This was an increase of \_\_\_\_\_%.
- 3) A pole was supposed to be 12 meters long, but it was accidentally made 14.64 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 4) In February Paul spent 35 hours watching Netflix. In March he only spent 20.3 hours watching. What was the percent decrease in the amount of time he spent watching?
- 5) Amy's family decided to get rid of their cable TV. Originally they were paying \$72 for the TV, internet and phone, but now they're paying \$57.6. What was the percent the bill decreased by?
- 6) A game normally cost \$60, but Bianca used a coupon and got the game for \$34.8. The coupon was for \_\_\_\_\_ percent off.
- 7) In February Robin got a puppy that weighed 15 kilograms. By October the puppy weighed 16.8 kilograms. What was the percent the puppy's weight increased?
- 8) Normally a chef uses 13 ounces of chocolate to make chocolate chip cookies. But he started using 16.38 ounces instead. He should advertise the cookies as having \_\_\_\_\_ percent more chocolate.
- 9) Last year a fishing license cost \$57. This year the license will cost \$36.48. This is a \_\_\_\_\_ percent decrease.
- 10) A store sold 14 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.

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**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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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.
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- 10) Last month Ned spent 59 dollars on games. This month he only spent \$38.94. He spent \_\_\_\_\_ percent less this month.

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



Solve each problem.

**Answers**

16	14	22	34	12
26	34	34	46	46

- 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 \_\_\_\_\_%.
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**Solve each problem.****Answers**

- 1) Faye's family decided to get rid of their cable TV. Originally they were paying \$148 for the TV, internet and phone, but now they're paying \$88.8. What was the percent the bill decreased by?
- 2) A library normally collected \$34 in fees a month. But in March they collected \$38.08. What is the percent increase in the number of fees collected in March?
- 3) Last years phone model had a battery that lasted 15 hours. This year the battery only last for 8.4 hours. What was the percent the battery life decreased?
- 4) A store normally averaged 127 customers a day. But on the weekends they averaged 73.66 customers a day. What is the percent decrease in the number of customers?
- 5) A store sold 15 dollars worth of gift cards in October. The next month the goal was to sell \$21.6 worth of gift cards. This is an increase of \_\_\_\_\_ percent.
- 6) A game normally cost \$57, but Nancy used a coupon and got the game for \$36.48. The coupon was for \_\_\_\_\_ percent off.
- 7) Henry spent 23 minutes on his math homework and 32.2 minutes on his spelling homework. He spent \_\_\_\_\_ percent more time on his spelling homework.
- 8) The price for internet on a phone was \$9 a month, but starting in November the price will be \$13.5 a month. This is a \_\_\_\_\_% increase.
- 9) Normally a game costs \$37. But the new special edition version is going to be \$53.28. This is an increase of \_\_\_\_\_ percent.
- 10) Olivia bought a computer for \$149.64. Dave bought one for \$258. Olivia's computer was \_\_\_\_\_ percent cheaper.

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Solve each problem.

**Answers**

- 1) Faye's family decided to get rid of their cable TV. Originally they were paying \$148 for the TV, internet and phone, but now they're paying \$88.8. What was the percent the bill decreased by?
- 2) A library normally collected \$34 in fees a month. But in March they collected \$38.08. What is the percent increase in the number of fees collected in March?
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- 9) Normally a game costs \$37. But the new special edition version is going to be \$53.28. This is an increase of \_\_\_\_\_ percent.
- 10) Olivia bought a computer for \$149.64. Dave bought one for \$258. Olivia's computer was \_\_\_\_\_ percent cheaper.

1. **40**
2. **12**
3. **44**
4. **42**
5. **44**
6. **36**
7. **40**
8. **50**
9. **44**
10. **42**



Solve each problem.

44	36	40	12	50
40	42	44	44	42

**Answers**

- 1) Faye's family decided to get rid of their cable TV. Originally they were paying \$148 for the TV, internet and phone, but now they're paying \$88.8. What was the percent the bill decreased by?
- 2) A library normally collected \$34 in fees a month. But in March they collected \$38.08. What is the percent increase in the number of fees collected in March?
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