Solve each problem.

1) A small fruit smoothie is 11 ounces while a large fruit smoothie is 13.86 ounces. The large fruit smoothie is _____% larger.

1. _____

2. _____

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. _____

4. _____

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.

5. _____

6. _____

4) A large soda is 286 calories and a small soda is 240.24 calories. The small soda has _____ percent fewer calories.

7. _____

8. _____

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.

9. _____

10. _____

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.

Name:

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. **26**

2. **42**

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. **34**

4. **16**

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.

5. **28**

6. **48**

4) A large soda is 286 calories and a small soda is 240.24 calories. The small soda has _____ percent fewer calories.

7. **36**

8. **22**

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.

9. **50**

10. **42**

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.

Solve each problem.

28	36	42	42	34
48	22	26	16	50

1. _____

1) A small fruit smoothie is 11 ounces while a large fruit smoothie is 13.86 ounces. The large fruit smoothie is _____% larger.

2. _____

3. _____

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?

4. _____

5. _____

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.

6. _____

7. _____

4) A large soda is 286 calories and a small soda is 240.24 calories. The small soda has ____ percent fewer calories.

8. _____

9. _____

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.

10. _____

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.

Solve each problem.

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.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Name: **Answer Key**

Solve each problem.

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.

Answers

1. **34**

2. **34**

3. **14**

4. **14**

5. **10**

6. **18**

7. **18**

8. **32**

9. **10**

10. **32**

Solve each problem.

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?

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.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Solve each problem.

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?

1. _____

2. _____

2) A large soda is 209 calories and a small soda is 158.84 calories. The small soda has _____ percent fewer calories.

3. _____

4. _____

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?

5. _____

6. _____

4) A small fruit smoothie is 24 ounces while a large fruit smoothie is 33.6 ounces. The large fruit smoothie is _____% larger.

7. _____

8. _____

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?

9. _____

10. _____

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.

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?

1. _____**24**_____

2. _____**24**_____

2) A large soda is 209 calories and a small soda is 158.84 calories. The small soda has ____ percent fewer calories.

3. _____**18**_____

4. _____**40**_____

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?

5. _____**48**_____

6. _____**34**_____

4) A small fruit smoothie is 24 ounces while a large fruit smoothie is 33.6 ounces. The large fruit smoothie is _____% larger.

7. _____**38**_____

8. _____**42**_____

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?

9. _____**30**_____

10. _____**36**_____

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.

Solve each problem.

40	24	24	36	38
42	48	30	18	34

1. _____

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. _____

3. _____

2) A large soda is 209 calories and a small soda is 158.84 calories. The small soda has _____ percent fewer calories.

4. _____

5. _____

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?

6. _____

7. _____

4) A small fruit smoothie is 24 ounces while a large fruit smoothie is 33.6 ounces. The large fruit smoothie is _____% larger.

8. _____

9. _____

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?

10. _____

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.

Solve each problem.

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.

1. _____

2. _____

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. _____

4. _____

3) A game normally cost $57, but Janet used a coupon and got the game for $35.34. The coupon was for _____ percent off.

5. _____

6. _____

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?

7. _____

8. _____

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.

9. _____

10. _____

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?

Name:

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.

1. _____ **44**

2. _____ **36**

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. _____ **38**

4. _____ **34**

3) A game normally cost $57, but Janet used a coupon and got the game for $35.34. The coupon was for _____ percent off.

5. _____ **26**

6. _____ **30**

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?

7. _____ **18**

8. _____ **32**

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.

9. _____ **18**

10. _____ **38**

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?

| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |

Solve each problem.

18	38	44	26	18
36	34	38	32	30

1. _____

2. _____

3. _____

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.

4. _____

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.

5. _____

3) A game normally cost $57, but Janet used a coupon and got the game for $35.34. The coupon was for _____ percent off.

6. _____

7. _____

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?

8. _____

9. _____

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.

10. _____

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?

Solve each problem.

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.

1. _____

2. _____

2) Last month Sam spent 58 dollars on games. This month he only spent $51.04. He spent _____ percent less this month.

3. _____

4. _____

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.

5. _____

6. _____

4) Paige bought a computer for $222.6. Paul bought one for $318. Paige's computer was _____ percent cheaper.

7. _____

8. _____

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.

9. _____

10. _____

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.

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.

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

Solve each problem.

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.

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.

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Solve each problem.

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.

1. _____

2. _____

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. _____

4. _____

3) Last year a fishing license cost $57. This year the license will cost $41.04. This is a _____ percent decrease.

5. _____

6. _____

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.

7. _____

8. _____

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.

9. _____

10. _____

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.

Answer Key

Solve each problem.

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.

1. _____ **30**

2. _____ **12**

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. _____ **28**

4. _____ **20**

3) Last year a fishing license cost $57. This year the license will cost $41.04. This is a _____ percent decrease.

5. _____ **24**

6. _____ **30**

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.

7. _____ **14**

8. _____ **42**

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.

9. _____ **16**

10. _____ **12**

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.

　　Name:

Solve each problem.

30	12	24	42	30
12	14	28	16	20

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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.

Math　　**Modified**　www.CommonCoreSheets.com　　6

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

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.

1. _____

2. _____

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. _____

4. _____

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.

5. _____

6. _____

4) At a restaurant the bill came to $56. If you leave $63.84, what percent tip is that?

7. _____

8. _____

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.

9. _____

10. _____

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.

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.

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.

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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.

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
30	42	24	44	12

1. _____

2. _____

3. _____

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.

4. _____

5. _____

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.

Solve each problem.

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.

1. _____

2. _____

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. _____

4. _____

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.

5. _____

6. _____

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?

7. _____

8. _____

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?

9. _____

10. _____

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.

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.

1. **20**

2. **48**

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. **22**

4. **42**

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.

5. **20**

6. **42**

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?

7. **12**

8. **26**

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?

9. **36**

10. **22**

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?

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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.

Name:

Solve each problem.

| 26 | 12 | 42 | 20 | 36 |
| 22 | 22 | 42 | 20 | 48 |

1. _____

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. _____

3. _____

2) Edward used to have $422 in the bank but after a year the amount increased to $624.56. This was an increase of _____%.

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5. _____

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6. _____

7. _____

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8. _____

9. _____

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10. _____

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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.

| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |

Solve each problem.

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.

1. _____

2. _____

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. _____

4. _____

3) Jerry used to have $430 in the bank but after a year the amount increased to $498.8. This was an increase of _____%.

5. _____

6. _____

4) A game normally cost $51, but Carol used a coupon and got the game for $33.66. The coupon was for ____ percent off.

7. _____

8. _____

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.

9. _____

10. _____

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.

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.

1. _____ **34**

2. _____ **26**

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. _____ **16**

4. _____ **34**

3) Jerry used to have $430 in the bank but after a year the amount increased to $498.8. This was an increase of _____%.

5. _____ **46**

6. _____ **12**

4) A game normally cost $51, but Carol used a coupon and got the game for $33.66. The coupon was for _____ percent off.

7. _____ **46**

8. _____ **22**

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.

9. _____ **14**

10. _____ **34**

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.

Solve each problem.

| 16 | 14 | 22 | 34 | 12 |
| 26 | 34 | 34 | 46 | 46 |

1. _____

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. _____

3. _____

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.

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5. _____

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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9. _____

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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.

Solve each problem.

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?

1. _____

2. _____

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. _____

4. _____

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?

5. _____

6. _____

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?

7. _____

8. _____

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.

9. _____

10. _____

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.

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?

1. **40**

2. **12**

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. **44**

4. **42**

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?

5. **44**

6. **36**

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?

7. **40**

8. **50**

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.

9. **44**

10. **42**

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.

Solve each problem.

44	36	40	12	50
40	42	44	44	42

1. _____

2. _____

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?

3. _____

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. _____

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