



Examining Percent Increase and Decrease

Name: _____

Solve each problem.

- 1) Last years phone model had a battery that lasted 13 hours. This year the battery only last for 8.32 hours. What was the percent the battery life decreased?

- 2) A small fruit smoothie is 10 ounces while a large fruit smoothie is 14.8 ounces. The large fruit smoothie is ____% larger.

- 3) In February Oliver spent 39 hours watching Netflix. In March he only spent 31.98 hours watching. What was the percent decrease in the amount of time he spent watching?

- 4) The price for internet on a phone was \$8.00 a month, but starting in November the price will be \$9.28 a month. This is a ____% increase.

- 5) Lana bought a computer for \$164.80. Adam bought one for \$206.00. Lana's computer was ____ percent cheaper.

- 6) It used to take Rachel 5 minutes to do 20 multiplication problems. Now she can do the same page in 6.6 minutes. She is now ____ percent faster.

- 7) A store normally averaged 140 customers a day. But on the weekends they averaged 95.2 customers a day. What is the percent decrease in the number of customers?

- 8) Ned spent 23 minutes on his math homework and 30.82 minutes on his spelling homework. He spent ____ percent more time on his spelling homework.

- 9) A large soda is 282 calories and a small soda is 180.48 calories. The small soda has ____ percent fewer calories.

- 10) In February Debby got a puppy that weighed 11 kilograms. By October the puppy weighed 15.84 kilograms. What was the percent the puppy's weight increased?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Solve each problem.

- 1) Last years phone model had a battery that lasted 13 hours. This year the battery only last for 8.32 hours. What was the percent the battery life decreased?
- 2) A small fruit smoothie is 10 ounces while a large fruit smoothie is 14.8 ounces. The large fruit smoothie is ____% larger.
- 3) In February Oliver spent 39 hours watching Netflix. In March he only spent 31.98 hours watching. What was the percent decrease in the amount of time he spent watching?
- 4) The price for internet on a phone was \$8.00 a month, but starting in November the price will be \$9.28 a month. This is a ____% increase.
- 5) Lana bought a computer for \$164.80. Adam bought one for \$206.00. Lana's computer was ____ percent cheaper.
- 6) It used to take Rachel 5 minutes to do 20 multiplication problems. Now she can do the same page in 6.6 minutes. She is now ____ percent faster.
- 7) A store normally averaged 140 customers a day. But on the weekends they averaged 95.2 customers a day. What is the percent decrease in the number of customers?
- 8) Ned spent 23 minutes on his math homework and 30.82 minutes on his spelling homework. He spent ____ percent more time on his spelling homework.
- 9) A large soda is 282 calories and a small soda is 180.48 calories. The small soda has ____ percent fewer calories.
- 10) In February Debby got a puppy that weighed 11 kilograms. By October the puppy weighed 15.84 kilograms. What was the percent the puppy's weight increased?

Answers

1. **36**
2. **48**
3. **18**
4. **16**
5. **20**
6. **32**
7. **32**
8. **34**
9. **36**
10. **44**



Examining Percent Increase and Decrease

Name: _____

Solve each problem.

32

16

36

34

48

18

20

44

36

32

Answers

- 1) Last years phone model had a battery that lasted 13 hours. This year the battery only last for 8.32 hours. What was the percent the battery life decreased?
- 2) A small fruit smoothie is 10 ounces while a large fruit smoothie is 14.8 ounces. The large fruit smoothie is ____% larger.
- 3) In February Oliver spent 39 hours watching Netflix. In March he only spent 31.98 hours watching. What was the percent decrease in the amount of time he spent watching?
- 4) The price for internet on a phone was \$8.00 a month, but starting in November the price will be \$9.28 a month. This is a ____% increase.
- 5) Lana bought a computer for \$164.80. Adam bought one for \$206.00. Lana's computer was ____ percent cheaper.
- 6) It used to take Rachel 5 minutes to do 20 multiplication problems. Now she can do the same page in 6.6 minutes. She is now ____ percent faster.
- 7) A store normally averaged 140 customers a day. But on the weekends they averaged 95.2 customers a day. What is the percent decrease in the number of customers?
- 8) Ned spent 23 minutes on his math homework and 30.82 minutes on his spelling homework. He spent ____ percent more time on his spelling homework.
- 9) A large soda is 282 calories and a small soda is 180.48 calories. The small soda has ____ percent fewer calories.
- 10) In February Debby got a puppy that weighed 11 kilograms. By October the puppy weighed 15.84 kilograms. What was the percent the puppy's weight increased?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____