

# Percent of Change Worksheet

Name \_\_\_\_\_

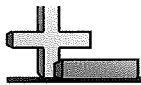
Period \_\_\_\_\_

**Directions:** State whether each percent of change is a percent increase or a percent decrease. Then find the percent of increase or decrease. Round to the nearest whole percent.

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|---|--|
| 1. Original: \$100<br>New: \$59         | 2. Original: 324 people<br>New: 549 people   |
| 3. Original: 58 Homes<br>New: 152 Homes | 4. Original: 66 Dimes<br>New: 30 Dimes       |
| 5. Original: \$53<br>New: \$75          | 6. Original: 15.6 liters<br>New: 11.4 liters |
| 7. Original: \$3.78<br>New: \$2.50      | 8. Original: 231.2 mph<br>New: 236.4 mph     |

**Directions:** Find the final price of each item. When there is a discount and sales tax, first compute the discount price and then compute the sales tax and final price.

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|--|--|
| 9. DVD: \$219<br>sales tax: 6.5%                   | 10. jeans: \$39.99<br>discount: 15%<br>sales tax: 4% |
| 11. book: \$19.95<br>discount: 5%<br>sales tax: 5% | 12. tickets: \$52.50<br>sales tax: 7%                |



Solve each problem.

- 1) In February Roger spent 44 hours watching Netflix. In March he only spent 25.52 hours watching. What was the percent decrease in the amount of time he spent watching?
- 2) At a restaurant the bill came to \$54.00. If you leave \$61.56, what percent tip is that?
- 3) A library normally collected \$56.00 in fees a month. But in March they collected \$84.00. 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 21 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 5) The price for internet on a phone was \$10.00 a month, but starting in November the price will be \$13.20 a month. This is a \_\_\_\_\_% increase.
- 6) Last year a fishing license cost \$59.00. This year the license will cost \$44.84. This is a \_\_\_\_\_ percent decrease.
- 7) A store sold 13.00 dollars worth of gift cards in October. The next month the goal was to sell \$17.16 worth of gift cards. This is an increase of \_\_\_\_\_ percent.
- 8) Isabel's family decided to get rid of their cable TV. Originally they were paying \$143.00 for the TV, internet and phone, but now they're paying \$125.84. What was the percent the bill decreased by?
- 9) A store normally averaged 102 customers a day. But on the weekends they averaged 75.48 customers a day. What is the percent decrease in the number of customers?
- 10) Normally a game costs \$33.00. But the new special edition version is going to be \$39.60. This is an increase of \_\_\_\_\_ percent.

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_