

NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

## 3-7

### Skills Practice Percent of Change

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

- original: 25  
new: 10  
**decrease; 60%**
- original: 55  
new: 50  
**decrease; 9%**
- original: 50  
new: 30  
**decrease; 40%**
- original: 48  
new: 60  
**increase; 25%**
- original: 25  
new: 75  
**increase; 60%**
- original: 25  
new: 28  
**increase; 12%**
- original: 90  
new: 95  
**increase; 6%**
- original: 60  
new: 45  
**decrease; 25%**
- binder: \$14.50  
tax: 7%  
**\$15.52**
- groceries: \$47.52  
tax: 3%  
**\$48.95**
- shoes: \$65.00  
tax: 4%  
**\$67.60**
- concert tickets: \$48.00  
tax: 7.5%  
**\$51.60**

Find the total price of each item.

- dress: \$69.00  
tax: 5%  
**\$72.45**
- hardcover book: \$28.95  
tax: 6%  
**\$30.69**
- filler paper: \$6.00  
tax: 6.5%  
**\$6.39**
- basketball: \$17.00  
tax: 6%  
**\$18.02**

Find the discounted price of each item.

- backpack: \$56.25  
discount: 20%  
**\$45.00**
- CD: \$15.99  
discount: 20%  
**\$12.79**
- sleeping bag: \$125  
discount: 25%  
**\$93.75**
- monitor: \$150.00  
discount: 50%  
**\$75.00**
- shirt: \$25.50  
discount: 40%  
**\$15.30**
- coffee maker: \$102.00  
discount: 45%  
**\$56.10**

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NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

## 3-7

### Practice (Average) Percent of Change

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

- original: 18  
new: 10  
**decrease; 44%**
- original: 140  
new: 160  
**increase; 14%**
- original: 200  
new: 320  
**increase; 60%**
- original: 10  
new: 25  
**increase; 150%**
- original: 76  
new: 60  
**decrease; 21%**
- original: 128  
new: 120  
**decrease; 6%**
- original: 15  
new: 35.5  
**increase; 137%**
- original: 98.6  
new: 64  
**decrease; 35%**
- original: 58.8  
new: 65.7  
**increase; 12%**

Find the total price of each item.

- concrete blocks: \$95.00  
tax: 6%  
**\$100.70**
- crib: \$240.00  
tax: 6.5%  
**\$255.60**
- class ring: \$325.00  
tax: 6%  
**\$344.50**
- blanket: \$24.99  
tax: 7%  
**\$26.74**
- jacket: \$125.00  
tax: 5.5%  
**\$131.88**
- kite: \$18.90  
tax: 5%  
**\$19.85**

Find the discounted price of each item.

- dry cleaning: \$25.00  
discount: 15%  
**\$21.25**
- computer game: \$49.99  
discount: 25%  
**\$37.49**
- stationery: \$12.95  
discount: 10%  
**\$11.66**
- prescription glasses: \$149  
discount: 20%  
**\$119.20**
- luggage: \$185.00  
discount: 30%  
**\$129.50**
- pair of shorts: \$24.99  
discount: 45%  
**\$13.74**

Find the final price of each item.

- television: \$375.00  
discount: 25%  
tax: 6%  
**\$298.13**
- DVD player: \$269.00  
discount: 30%  
tax: 7%  
**\$230.26**
- INVESTMENTS The price per share of an internet-related stock decreased from \$90 per share to \$36 per share early in 2001. By what percent did the price of the stock decrease? **60%**
- HEATING COSTS Customers of a utility company received notices in their monthly bills that heating costs for the average customer had increased 125% over last year because of an unusually severe winter. In January of last year, the Garcia's paid \$120 for heating. What should they expect to pay this January if their bill increased by 125%? **\$270**

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