Name $\qquad$
$\qquad$

Algebra 8: Percents Unit Day 2
Percent Change Definition
Percent Change Ratio

Percent $\qquad$ describes an amount that has $\qquad$ .

Percent $\qquad$ describes an amount that has been $\qquad$ .

Find the percent increase or decrease.

Admission to the museum is $\$ 8$ and students receive a $15 \%$ discount. How much do the students pay?
$\qquad$
$\qquad$

Markup Definition
Markup Process

Caleb buys necklaces at a wholesale cost of $\$ 48$ each. He then marks up the price by $75 \%$ and sells the necklaces. What is the selling price?

At Target a video games has a $70 \%$ markup. The wholesale cost is $\$ 9$. What is the selling price?

## Practice on your own.

Find each percent change.
$\qquad$ Period $\qquad$
Golf Galaxy is having a spring sale. Complete the table below to find the sale prices for each item.

| Item | Original Price | Percent Discount | Work | Sale Price |
| :---: | :---: | :---: | :---: | :---: |
| Golf Bags | \$175 | 20\% |  |  |
| Golf Shoes | \$90 | 15\% |  |  |
| Golf Balls | \$20 | 12\% |  |  |
| Drivers | \$150 | 20\% |  |  |
| Putters | \$120 | 18\% |  |  |
| Golf Gloves | \$30 | 10\% |  |  |
| Bags of Golf Tees | \$10 | 5\% |  |  |
| Push Cart | \$180 | 30\% |  |  |
| Golf Umbrellas | \$40 | 25\% |  |  |
| Golf Towels | \$15 | 15\% |  |  |

$\qquad$

Melissa has decided to open a women's clothing store in her hometown. The table shows the items she will be selling along with the wholesale price she paid for each item and the markup percent she is planning on using. Find the selling price for each item.

| Item | Wholesale Price | Percent Markup | Work | Selling Price |
| :---: | :---: | :---: | :---: | :---: |
| Scarves | \$18 | 80\% |  |  |
| Leggings | \$10 | 90\% |  |  |
| Sweaters | \$40 | 120\% |  |  |
| T-shirts | \$15 | 95\% |  |  |
| Jeans | \$30 | 150\% |  |  |
| Shorts | \$25 | 92\% |  |  |
| Dresses | \$45 | 110\% |  |  |
| Skirts | \$28 | 90\% |  |  |
| Purses | \$35 | 130\% |  |  |

$\qquad$

## Hous do you nmake a vegetable necklace?

Use the information given in the chart to find the sale price. In the rectangle below, cross out the box containing each correct answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page to reveal the answer. Write only one letter per box.

| Article <br> on Sale | Original <br> Price | Percent <br> Discount | Work | Sale <br> Price |
| :--- | :---: | :---: | :---: | :---: |
| 1. calculator | $\$ 12.00$ | $25 \%$ |  |  |
| 2. tent | $\$ 90.00$ | $25 \%$ |  |  |
| 3. sweater | $\$ 65.00$ | $25 \%$ |  |  |
| 4. dress | $\$ 78.00$ | $15 \%$ |  |  |
| 5. camera | $\$ 129.50$ | $40 \%$ |  |  |
| 6. jacket | $\$ 140.00$ | $35 \%$ |  |  |
| 7. cellphone | $\$ 299.95$ | $20 \%$ |  |  |
| 8. television | $\$ 575.00$ | $10 \%$ |  |  |
| 9. bicycle | $\$ 360.00$ | $33 \frac{1}{3} \%$ |  |  |


| DO |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\$ 517.50$ | FI | ST | OP | R |
| S67.50 | $\$ 508.50$ | $\$ 240.00$ | $\$ 75.20$ |  |
| ST | IN | GB | OX | UP |
| $\$ 9.00$ | $\$ 43.75$ | $\$ 69.30$ | $\$ 239.96$ | $\$ 77.70$ |
| P | EA | T | RY | NS |
| $\$ 91.00$ | $\$ 227.86$ | $\$ 66.30$ | $\$ 48.75$ | $\$ 64.50$ |


|  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

