You are working at the lodge at Natural Bridge State Park and the manager has asked you to create a price list for the items listed below.

 Fill in the chart below based on percent of change. Be sure to indicate whether the percent of change is a percent of increase or percent of decrease. Using the first two items as examples for calculating percent of change (either increase or decrease); find the remaining items’ percent of increase or decrease. Use the following formula to calculate percent of change (where r is the percent of change you are trying to find):

 Difference = Percent (r)

1 Part

3 Percent

 Original = 100

X Marks the SPOT

2 Whole

4

100

Cross multiply and Divide

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Original Price** | **New Price** | **Difference** | **Percent of change** | **Increase of decrease** |
| EX: Shoes |  $45.95 | $99.95 | $44.00 | 95.8% | Increase |
| EX: T-shirt | $25.62 | $15.75 | $9.87 | 38.5% | Decrease |
| Coon Skin Cap | $49.99 | $19.99 |  |  |  |
| Shirt | $98.65 | $25.54 |  |  |  |
| Skirt | $12.67 | $46.87 |  |  |  |
| Blouse | $16.89 | $76.56 |  |  |  |
| Book | $25.95 | $12.95 |  |  |  |
| Jeans | $13.98 | $100.76 |  |  |  |
| Pants | $97.65 | $35.98 |  |  |  |
| Birthstone Ring | $67.45 | $22.65 |  |  |  |
| Sandals | $78.43 | $43.54 |  |  |  |
| Tickle Me Elmo | $34.65 | $225.98 |  |  |  |

1. What reasons would you have for marking prices lower? (at least 2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What reasons would you have for marking prices higher? (at least 2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. As a consumer of products, what would you need to know in order to be a better consumer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What other jobs could use percent of change as part of their career? (at least 2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Average month of August Rooms** | **Average Month of September rooms** | **Average Month of October rooms** |
| Monday | 134 | 142 |  |
| Tuesday | 125 | 135 |  |
| Wednesday | 117 | 125 |  |
| Thursday | 156 | 148 |  |
| Friday | 189 | 199 |  |
| Saturday | 297 | 351 |  |
| Sunday | 285 | 358 |  |

Use the chart above to calculate the percent of increase and/or decrease and calculate the expected occupancy for the month of October.