Lead 702
Week 2
Statistic Assignment
Question #4
Wendy Harmon

| Special | Number Sold | Cost | Totals |
|---|---|---|---|
| **Huge Burger** | **20** | **$2.95** | **$59.00** |
| **Baby Burgers** | **18** | **$1.49** | **$26.82** |
| **Chicken Littles** | **25** | **$3.50** | **$87.50** |
| **Porker Burger** | **19** | **$2.95** | **$56.05** |
| **Yummy Burger** | **17** | **$1.99** | **$33.83** |
| **Coney dog** | **20** | **$1.99** | **$39.80** |
| **Totals Sold** | **119** | | **$303.00** |

The best selling item is the Chicken Littles, with a mode of **25** being sold, for **$3.50** each, grossing a profit of **$87.50.** Despite the fact that it is the highest priced special, it continues to lead the way in sales, surpassing the average of total sales.

The median for all specials sold was 19.5.
That is the middle value of number of sales: **25 20 20 19 18 17**. Because there were an even number of specials, the two middle values were added to find the average: 20 + 19 = 39 divided by 2= 19.5
The median cost for the specials was $2.47
That is: $**3.50, $2.95, $2.95, $1.99, $1.99, $1. 49. Than** $\frac{2.95 + 1.99}{2} = \frac{4.94}{2} =$ **$2.47**

With a total of 119 specials sold, the total value of all specials was $303.00, for an average of $2.55 for each special.

Mean = $\frac{\$59.00 + \$26.82 + \$87.50 + \$56.05 + \$33.83 + \$39.80}{119}$

M = $\frac{\$303}{119}$ = $2.55 for each special.