**(Book of Yields)**

Formulas for Chapter 4: Purchasing and Portioning

***AP cost dived by number of units purchased= AP cost per unit***

***AP quantity \*AP per unit= ingredient cost***

***Cost per portions dived by selling price = food cost percent***

***Number of portions \* portion size = total EP quantity***

***AP cost per unit dived by yield percent = EP cost per unit***

***AP cost dived by EP quantity = EP cost per*** unit

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ITEM** | **AP UNIT** | **NUMBERS OF MEASURE PER AP UNIT** | **MEASURE PER UNIT** | **TRIMMED/CLEANED**  **OUNCE WEIGHT OR COUNT PER AP UNIT** | **YIELD PERCENT** | **TRIMMED/CLEANED OUNCE WEIGHT PER CUP** | **NUMBER OF TRIMMED/CLEANED CUPS PER AP UNIT** |
| **LETTUCE HEAD ROMAINE CHOPPED** | Head | 24 | ounce | 18 | 75.0% | 2.00 | 9.000 |
| **Onions/Green/**  **Chopped** | Bunch | 3.5 | ounce | 2.9 | 82.9% | 2.00 | 1.450 |
| **Peaches, Sliced** | Pound | 16 | ounce | 12.5 | 78.1% | 6 | 2.08 |
| **Pears, Slice, Cored, Peeled** | Pound | 16 | ounce | 14.24 | 89.0% | 4.98 | 2.859 |
| **Green beans** | Pound | 16 | ounce | 14.1 | 88.1% | 3.90 | 3.615 |

1. **You purchase 6 heads of romaine lettuces. How many 3oz portions of chopped romaine lettuce can you get from these 6 heads?**
2. **You plan to serve one-quarter head of romaine lettuce to each guest at a party. How many servings will you get from a case of 15 heads of lettuce.**
3. **If we purchase 18 pounds of romaine lettuce, how many ounces of chopped lettuce can we give to each of 100 people?**
4. **How many cups of chopped green onions can expect to fabricate from 5 bunches of green onions?**
5. **A recipe calls for 750 grams of diced peaches. How many times can you make this recipe using 8 pounds of peaches?**
6. **A pear tart requires 4oz of peeled cored and slices pears. How many tarts can you make using a 12 pound case of pears.**
7. **Last week, you were able to make 140 three-ounce portions from a 30-pound case of green beans. How many 4oz serving should you be able to make from a 50 pound case?**