

Hot Cook/Display Cook – Yield and Food Cost Assignment KEY

Food costs may climb quickly when we do not attain the yield called for in our recipes. Recipe yields are based on typical portions that Guests consume. By providing food portions that are too large leads to waste and higher food costs. Also, keep in mind that Guests do not consume everything they serve themselves. Therefore, it is important to follow each recipe's portion size to get the specified yield. Consider the example below:

The average rack of Baby Back Ribs has 16 bones and weighs approximately 2 lbs. Our recipe states to cut between every second rib producing 8 servings per rack. If the Co-worker serving ribs were to cut every fourth rib, we would only get 4 servings per rack.

If 75 Guests eat ribs on a given night, how many more racks of ribs would we have to cook to feed the Guests when our Co-worker cuts them wrong?

Guest eating ribs ÷ portions per rib = how much to cook

$$\begin{array}{rclcl} 75 & \div & 8 & = & 9.4 \text{ racks} \\ 75 & \div & 4 & = & 18.75 \text{ racks} \end{array}$$

That is 9.35 extra racks of ribs. (18.75 racks – 9.4 racks = 9.35 racks)

Baby Back Ribs cost \$2.80 a pound and the average rack weighs 2 lbs. How much does each portion (2 rib & 4 rib portion) cost?

$$\begin{array}{l} 2 \text{ lbs.} \times 2.80 = \$5.60 \text{ per rack} \\ \$5.60 \div 8 = \$0.70 \text{ per serving} \\ \$5.60 \div 4 = \$1.40 \text{ per serving} \\ \text{That is } \$0.70 \text{ more per portion.} \end{array}$$

Now it is your turn. Determine how much money can be lost if the yield is not met.

If 90 Guests eat ribs on a given night how many more racks of ribs would we have to cook to feed the Guests when our Co-worker cuts them wrong(4 rib instead of 2 rib portion)?

Guest eating ribs ÷ portions per rib = how much to cook

$$\begin{array}{rclcl} 90 & \div & 4 & = & 23 \text{ racks} \\ 90 & \div & 2 & = & 45 \text{ racks} \end{array}$$

That is 22 extra racks of ribs. (45 racks – 23 racks = 22 racks)

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1. This month Baby Back Ribs cost \$3.05 a pound and the average rack weighs 2 lbs. How much does each portion (2 rib and 4 rib portion) cost?

2 lbs. X \$3.05 = \$6.10 per rack

\$6.10 ÷ 4 = \$1.53* per serving

\$6.10 ÷ 2 = \$3.05 per serving

That is \$1.52 more per portion. (\$3.05 - \$1.53 = \$1.52)

***Rounded up**

2. How much will this cost you per period if you serve ribs every day?

12 racks of ribs X 28 days = 336 extra racks of ribs per period.

336 racks X \$6.10 = \$2,049.60 per period.