

Food Worksheet

Generated Worksheet

Name: _____

Date: _____

Answer the following questions carefully.

1. The original chicken nugget recipe was developed in the 1950s by whom?
2. If a box of chicken nuggets from 1965 contained $\frac{2}{3}$ more pieces than one from 1975, how many pieces would you expect to find in each box?
3. Assuming an average American consumes 1.25 pounds of chicken nuggets per year, what is the total amount of chicken nuggets consumed annually by a population of 331,449,281?
4. A company claims that their new chicken nugget recipe uses only $\frac{1}{5}$ the amount of preservatives as previous recipes. If the old recipe used 12 grams of preservatives per serving, how many grams would be used in the new recipe?
5. Plot the graph of $y = (0.2x + 3)^2$ to visualize the growth of chicken nugget sales from 1985 to 2010.

6. Determine the median value of the following data set:

<i>Year</i>	<i>Sales</i>
1985	10
1990	15
1995	20
2000	25
2005	30
2010	35

7. If a chicken nugget costs \$1.50 and you buy 4 boxes, how much will you spend in total?
8. Sketch the graph of $y = \ln(x + 2)$ to analyze the change in consumer behavior towards chicken nuggets from 1990 to 2015.
9. Assuming a box of chicken nuggets contains $\frac{1}{3}$ more pieces than a serving size, and a serving size is defined as 4 pieces, how many pieces would you expect to find in a box?
10. Compare the nutritional value of original chicken nuggets from 1980 to those from 2020.