

National Banana Split Day

High School:

Table 1 provides a list of ingredients as well as the amount needed to make 1 banana split.

Table 1: Banana Split Ingredients

Ingredient	Amount Needed
Banana	$\frac{1}{2}$ of a ripe banana
Ice Cream	3 scoops
syrops: chocolate, strawberry and pineapple	2 tablespoons each
Whipped Cream	0.5 cup
Chopped peanuts	1.5 tablespoons
Maraschino Cherry	3

1. Write an equation to represent the number of tablespoons of strawberry compote (y) is needed to make (x) number of banana splits.

Equation	
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2. Tyler is hosting a banana split party for his friends. He expects 15 people to attend, including himself. The store has two options for chopped peanuts.
- Option 1: 4 oz bag of chopped peanuts for \$4.00
 - Option 2: 2.1 oz bag of chopped peanuts for \$1.60

Which option is the better deal AND what is the total cost for Tyler to have enough chopped peanuts for his banana split party? NOTE: 1 tablespoon of chopped peanuts is equal to 0.28 oz. Justify your answer.

3. Traditionally a banana split contained 1 scoop each of vanilla, chocolate, and strawberry ice cream. How does making a traditional banana split change the cost to purchase the amount of ice cream needed for Tyler's party? Note 1-gallon of ice cream has about 32 scoops of ice cream. 1 gallon of ice cream cost \$5.50 and a $\frac{1}{2}$ gallon cost \$3.00. Justify your answer.
