6th Grade Milkshake Mix-Up

The 6th grade teachers decided to throw a milkshake mix-up party. The teachers purchased several items from the store, but they need your help in perfecting the recipes for each of their flavored milkshakes.

Name: _____ Class: _____

1) The 6th grade teachers decide to go to The Sugar Emporium to buy the supplies they need for the party. They see that vanilla ice cream is sold in 4-cup containers, fruit is sold in 1-cup containers and chocolate syrup is sold in 2-cup containers. ***Describe*** two ***different*** ratios the teachers came across while shopping comparing two of the items above.

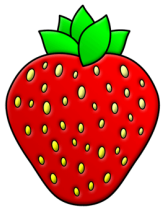
a) _____

_____

b) _____

_____

2) The teachers want to make sure they have enough fruit for all the milkshakes. The Sugar Emporium sells multi-packs of fruit that combine strawberries and blueberries. The teachers decide to create an equivalent ratio table to help them determine how many multi-packs of fruit they will need to buy. Unfortunately, they left some numbers out of their table. Can you help the teachers complete their table? Fill in the missing numbers below.



Number of Packages	Number of Strawberries	Number of Blueberries
1	4	7
2		14
3	12	
4		

3) Mr. Curtis wants to make strawberry milkshakes for his class. The recipe that he found calls for 2 cups of strawberries for every 3 cups of vanilla ice cream. He bought 33 cups of vanilla ice cream. How many cups of strawberries will he need if he wants to use all of the vanilla ice cream?

4) Mr. Licari's students requested blueberry milkshakes. In the recipe he found, the ratio of cups of blueberries to cups of vanilla ice cream is 2:5. Mr. Licari figures out that he will need a total of 35 cups of his milkshake recipe for his students.

a) How many cups of blueberries will he need to make the total 35 cups of his milkshake recipe?

b) How many cups of vanilla ice cream will he need to make the total 35 cups of his milkshake recipe?

5) Both Ms. McIntosh and Ms. Johnson want to make chocolate milkshakes for their students using chocolate syrup and vanilla ice cream. They found the two recipes below.

Ms. McIntosh's Recipe	**Ms. Johnson's Recipe**
Use 3 cups of chocolate syrup for every 4 cups of vanilla ice cream.	Use 4 cups of chocolate syrup for every 6 cups of vanilla ice cream.

a) If Ms. McIntosh and Ms. Johnson follow their recipes, who will make a milkshake with a stronger chocolate flavor?

Work Space:

Support your claim with evidence: _____
_____
_____
_____

b) If Ms. McIntosh wants to use 24 cups of vanilla ice cream, how many cups of chocolate syrup will she need?

c) If Ms. Johnson's wants to make 30 cups of her total milkshake recipe, how much ice cream will she need to use?

Milkshake Mix-Up Project Expectations:

1) You must include a **front cover** for your project. Your cover should include:
    a) A title (you can come up with your own catchy title or you may use "6th Grade Milkshake Mix-Up as a title)
    b) Your name (first and last)
    c) Your class
    d) A picture related to this project, or to math in general

2) Your rubric must remain stapled to the back of your project. (Please do not fill it out – this is for grading purposes).

3) Be sure to show ***all*** of your work! This counts for a major part of your grade.

4) Please double-check your calculations before handing in your project.

5) Please be sure to write your explanation in complete sentences. Also, be sure to fully answer the question being asked. Please check your response for spelling/grammatical errors before you hand your project in.

6) This project is due on **Monday January 5th.** Late projects will lose points each day it is late. If your project is not handed in by Wednesday January 7th it will result in a grade of 0 for this assignment.