

"Bad Boys Have To Eat Too!"



Your restaurant has been selected by Sean "P. Diddy" Combs for his Saturday business meeting with his new recording artist, M. C. Math. Your guest services team has been hired to plan P. Diddy's and his artist's culinary experience at your restaurant. Your team's responsibilities include selecting the guests' menu choices, calculating and filling out their food bill and ensuring that all your guests' needs are met. Mr. Combs and his artist have no dietary restrictions and would like to have a meal which includes four courses. Use your expertise to plan a great dining experience for Mr. Combs so that he will use your restaurant for future events.

NAME: _____

DATE: _____

PERIOD: _____

MRS. GRANT

PROBLEM BASED LEARNING TASK ACTIVITY SHEET

"BAD BOYS HAVE TO EAT TOO"

Below is a list of all the activities that you have to complete and their respective due dates. Use your scheduler to stay on task. Place a check mark next to each activity after completing it.

- Select menu choices for Mr. Combs and his artist.
Due Date: Wednesday, April 14th Group

- Fill out the Guest Meal Check for Mr. Combs and his artist.
Due Date: Thursday, April 15th Individual

- Calculate food bill subtotal for Mr. Combs and his artist.
Due Date: Thursday, April 15th Individual

- Calculate Sales Tax amount for the food bill.
Due Date: Thursday, April 15th Individual

- Calculate the Gratuity or Tip amount for the food bill.
Due Date: Thursday, April 15th Individual

- Complete Guest Meal Check Math Quiz.
Due Date: Friday, April 16th Individual

- Mr. Combs completed Guest Meal Check is due.
Due Date: Friday, April 15th Group

Attend Mini Lessons If Necessary:

The following Mini Lessons will be offered during the activity. Dates are as follows:

- ~Converting Percents, Fractions and Decimals. Wed., 4/14
- ~Finding the percentage of a number. Wed., 4/14
- ~Calculating Sales Tax and Gratuity. Thurs., 4/15

HOW TO CALCULATE SALES TAX



STEP #1: FIND THE SUBTOTAL OR COST OF THE ITEM.

STEP #2: IDENTIFY THE LOCAL SALES TAX RATE.
REMEMBER SALES TAX IS ASSESSED ON EACH DOLLAR AMOUNT CHARGED. IN ADDITION, THE AMOUNT OF SALES TAX IS ASSESSED BASED ON WHERE YOU LIVE.

ROCKLAND COUNTY SALES TAX RATE = 8.125%

STEP #3: CHANGE THE LOCAL SALES TAX RATE TO A DECIMAL BY OMITTING THE PERCENT SIGN AND MOVING THE DECIMAL POINT TWO (2) PLACES TO THE LEFT.

EXAMPLE: $8.125\% = 8.125 = .08125$

STEP #4: MULTIPLY THE SUBTOTAL OR COST BY THE DECIMAL REPRESENTATION OF THE SALES TAX RATE. REMEMBER FINDING THE SALES TAX AMOUNT IS EQUIVALENT TO FINDING THE PART OF A NUMBER.

STEP #5: THE RESULT IS THE SALES TAX AMOUNT.

NAME: _____
 DATE: _____

INSTRUCTOR: MRS. GRANT
 PERIOD: _____

PROBLEM BASED LEARNING – “BAD BOYS HAVE TO EAT TOO!”
GRADING PERFORMANCE RUBRIC



The PBL will be graded using four categories. Each category will be given a grade of 1, 2, 3, and 4 and will be multiplied by the following weights:

	<u>WEIGHT</u>		<u>WEIGHT</u>
Calculating Sales Tax and Gratuity.....	13	Menu Choices	3
Guest Meal Check.....	4	Calculating Total Food Bill.....	13
Submitted by the Due Date = +1 point = 100%			

CATEGORIES	NOVICE	APPRENTICE	PRACTITIONER	EXPERT
MENU CHOICES	Uses at least <u>one</u> choice for each course	Uses at least <u>two</u> choices for each course	Uses at least <u>three</u> choices for each course	<u>*all of practitioner</u> + plans a well balanced meal
MATHEMATICAL UNDERSTANDING CALCULATING SALES TAX AND GRATUITY	<u>some</u> sales tax and gratuity calculations are correct	<u>most</u> sales tax and gratuity calculations are correct	<u>all</u> sales tax and gratuity calculations are correct	<u>*all of practitioner</u> + can accurately calculate the sales tax and gratuity amounts at $\frac{1}{4}$ % increase.
MATHEMATICAL UNDERSTANDING CALCULATING THE TOTAL FOOD BILL AMOUNT	<u>some</u> of the total food bill amount is correct	<u>most</u> of the total food bill amount is calculated correctly	<u>all</u> of the total food bill amount is calculated correctly	<u>*all of practitioner</u> + can accurately calculate the total food bill amount with a 20% coupon discount.
FINAL PRODUCT GUEST MEAL CHECK	Guest meal check is <u>somewhat</u> attractive, contains <u>some</u> of the tasks and somewhat detailed	Guest meal check is <u>mostly</u> attractive, contains <u>most</u> of the tasks and is <u>mostly</u> detailed	Guest meal check is <u>very</u> attractive, contains <u>all</u> of the tasks and is detailed	<u>*all of practitioner</u> + all of project is computer generated using any Microsoft Programs

GUEST MEAL CHECK



RESTAURANT:

Courses: Appetizer-Soup/Sal – Entrée- Dessert –Beverage

COURSE	FOOD I TEM	COST	
	Subtotal=		
	Sales Tax=		
	Gratuity=		
	Total Food Bill=		