Math Café Menu

Appetizers

Buffalo fingers $3.99
Chicken quesadilla $4.53
Vegetable spring rolls $4.75

Soup and Side Salads

Tomato soup $3.89
Chicken noodle soup $3.97
Side salad $3.79
Caesar salad $4.25

Entrees

Vegetarian lasagna $10.87
Sirloin tips $14.50
Chicken fingers $9.85
Hamburger $10.99
Big, delicious salad $9.07
Veggie burger $8.99

Sides ($2.83 each)

French fries
Sweet potato fries
Rice
Mixed vegetables
Mashed potatoes
Cole slaw

Pizza

Personal sized pizza $8.37
    Add $0.50 for each topping

Medium pizza (2 people can share)
.... $12.48
    Add $1 for each topping

Large pizza (3 people can share)
.... $15.93
    Add $1 for each topping

Pizza toppings: Pepperoni, sausage, bacon, ham, peppers, onions, pineapple, tomatoes, hot peppers, feta cheese, parmesan cheese.

Dessert

Chocolate cake $4.89
Strawberry shortcake $4.76
Brownie sundae $5.09
Ice cream $3.29

Drinks

Soda $2.59
Iced tea/sweet tea $2.29
Lemonade $2.29
Milk or chocolate milk............ $2.79

Free refills available for all drinks!

A Meal at The Math Café

You and three friends have decided to buy dinner at The Math Café. Each of you only wants to spend at most $20 and have agreed to split the final bill four equal ways, so that you each pay the same amount, regardless of what each person ordered.

Answer the following questions in PENCIL, as you may later change your mind!

1. What will each person order for dinner?
   <u>You:</u>   <u>Friend 1:</u>   <u>Friend 2:</u>   <u>Friend 3:</u>

2. How much will each person's meal cost?
   <u>You:</u>   <u>Friend 1:</u>   <u>Friend 2:</u>   <u>Friend 3:</u>

3. How much will the total bill be for your table, before tax and tip?

4. You just remembered that you have a coupon for 20% off one person's meal! (before tax)
   a) For whose meal will you use this coupon? Why?

   b) Find the new cost of that person's meal. Show your work.

   c) What is your new total before tax and tip? Show your work.

5. When dining out, you should leave a tip for your waiter or waitress if you received good service. Today you want to leave a 20% tip since your server was friendly.
   a) What is the amount of the tip? Show your work.

   b) What is the new total, including the tip (but without tax)? Considering each person only wants to spend a maximum of $20, does the group have enough money at this point? (If not, you will need to rethink what was ordered!) Show your work.

6. In BC, we pay 5% GST for restaurant food.

   a) How much tax will you need to add to your table's total bill? <u>Don't tax the tip portion of your bill, as you don't pay tax on tips.</u> Show your work.

   b) What is the new total, including tip and tax? Show your work.

7. If you were going to split the bill evenly, how much would each person in your group need to pay for this meal? Show your work. Remember that each person wants to pay no more than $20, so you must adjust what you order and redo your calculations if this criteria is not met!