



Rising 6th Grade Summer Math Project

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Day at Carowinds



Scenario and Directions:

You have been saving your money all year long for a trip to Carowinds. Now, it's time to plan the big day! Before you go, you need to make sure you have enough money for you and your siblings. If you are an only child, then you should invite two friends to go with you. You're so generous because you're paying for yourself and your siblings/friends! Yay, you!

You have \$500.00 in your bank account. Let's see if that's enough for you and your siblings/friends. 😊

Dad and Mom said they would buy their own tickets and food. You don't need to pay for them. See how sweet parents can be! 😍

If you don't have enough money, mom and dad will loan you the money for the day. You must pay it back though.

1. Use the Carowinds website to check admission ticket prices. Fill in the blanks below to show the total cost for admission.

Carowinds ticket cost per kid	\$ _____
Number of kid's tickets you will purchase	_____
Solve for the total admission cost	\$ _____

2. You've made it to Carowinds and have had a fabulous morning of roller coasters and shows. It's time for lunch. Yes, you're buying lunch for yourself and your siblings/friends.



Here are your menu choices:

All items are combos and include fries and a drink.

Burger \$22

Hotdog \$18

Chicken Tenders \$24

Let's calculate the total cost of lunch.

Use the space below to list each person and the menu item he/she chose.

Person 1 _____

Person 2 _____

Person 3 _____

Person 4 _____

Person 5 _____

What was the total cost for everyone's lunch? Use the space below to show your work. **Total Cost: \$**_____

3. It's 3:00 in the afternoon now, and you all are heading over to the games and arcade area.

Each game requires 5 tickets. Here are your ticket purchase options:

- a) Individual tickets \$3 each
- b) Bulk tickets 6 tickets for \$15



Your and your siblings or friends each play 3 games.

How many tickets will you need to purchase? _____

Which option will save you the most money? _____

What is the total cost of tickets for the games? _____

Did you have any leftover tickets? If so, how many? _____

Show all of your calculations in the space below.

4. You've had a fabulous day with special people, and it's time to head home. Your family is really hungry from all of the excitement. You all stop at Olive Garden for dinner. And you guessed it! You're still paying!

Here are your menu selections:

Spaghetti	\$ 14.50
Pizza by the slice	\$ 8.99
Fettuccine Alfredo	\$ 18.75
Drinks	\$ 2.25



Now, because it is a sit down dinner with waiters, you will need to leave a 20% tip for the total cost of your bill.

List each person and his/her food choice on the lines below.

Each person gets a drink, too.

Person 1 _____
Person 2 _____
Person 3 _____
Person 4 _____
Person 5 _____

Show your work below:

Total for food and drink	_____
Tip of 20%	_____
Total amount	_____

5. Now for the final cost of the day.

Amount for admission tickets _____

Amount for lunch _____

Amount for arcade/games _____

Amount for dinner _____

Total for all expenses _____

Did you have enough money? _____

If so, how much did you have left over? _____

If not, how much did you borrow from your parents? _____

6. Now, that was a great day! It's time to start thinking about a trip for next summer. If you earn \$20 a week doing chores, how many weeks will it take to replace the money you spent today? Show your work below. Enjoy the rest of your summer!