

Record the bills and coins that each team member should expect to receive as change from the waitress. Please show your work and record your answer on the Cost Calculation Sheet. When your group has completed the Webquest you will turn in the Food Order Ticket, the Tax and Tip Worksheet, and the Cost Calculation Sheet. Please make sure all of your names are on each page.

Evaluation

Category and Score	Reluctant Restaurateur 1	Fine Foodie 2	Decent Diner 3	Savvy Shopper 4	Score
Food Order Ticket	Missing information for team members, did not follow directions well	Filled out for some team members, little detailed information, followed most directions	Completely filled out for each team member, lacks detailed information, followed directions	Completely filled out for each team member, detailed information, followed all directions	%25
Tax and Tip Worksheet	Information is not correctly filled in, work not shown, incorrect answers	All information is correctly filled in, missing some work, some incorrect answers	All information is correctly filled in, shows work, some incorrect answers	All information is correctly filled in, shows work, correct answers	%25
Cost Calculation Sheet	Information is not correctly filled in, work not shown, incorrect answers	All information is correctly filled in, missing some work, some incorrect answers	All information is correctly filled in, shows work, some incorrect answers	All information is correctly filled in, shows work and correct answers	%25
Individual Participation in Group and completion of assigned role	Did not work well with group, did not complete work for assigned role	Worked OK with group, completed most of the work for assigned role	Worked well with group, completed work on assigned role	Worked well with group, excellent work on assigned role, helped others	%25
				Total Score	%100

Conclusion

Congratulations! You just learned to use your math skills in a way that will be important the next time you visit a restaurant! Best of all, you got a FREE LUNCH for using math! What could be better than that? The next time you go out to eat with your family, show them what you have learned---they will be so impressed!!!

Teacher Page

Focus: This WebQuest is designed to give students the opportunity to apply their addition, subtraction, multiplication, and division skills in an authentic learning situation. I would suggest that students have experience adding and subtracting money, and a basic understanding of how to multiply by a percentage (though the directions do show examples). I created this WebQuests with 4th graders in mind, but I believe that it can be easily modified to work for students Grades 3-6. In this WebQuest, students will work in groups of five to use a menu to order food, record their choices and add up the cost, multiply to find the tax and tip, divide the cost among the members of the group, and subtract to determine the correct change. I would allow for two class periods to complete this WebQuest, or it could be used as a center in math rotations. The timing and teacher involvement may need to be altered to better suit various grade levels.

Standards: Show-Me State Standards: Content Standards Mathematics (MA) 1: Addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the applications of these operations and concepts in the workplace and other situations. Performance Standards Goal 1.4: Use technological tools and other resources to locate, select and organize information. Goal 3.2: Develop and apply strategies based on ways other have prevented or solved problems. Goal 3.3: Develop and apply strategies based on one's own experience in preventing or solving problems.

Missouri Grade Level Expectations (GLEs): Measurement 1. Understand measurable attributes of objects and the units, systems and processes of measurement. D--Count and compute money. Grade 4--Determine change from \$10.00 and add and subtract money values to \$10.00. Number and Operations 1. Understand numbers, ways of representing numbers, relationships among numbers and number systems. A--Read, write and compare numbers. Grade 4--Read, write and compare decimals to the hundredths place and whole numbers up to 6 digits. Number and Operations 2. Understand meanings of operations and how they relate to one another. A--Represent operations. Grade 3--Represent a given situation involving multiplication. Grade 2--Represent a given situation involving addition or subtraction. Number and Operations 2. Understand meanings of operations and how they relate to one another. B--Describe the effects of operations. Grade 3--Describe the effects of adding and subtracting whole numbers as well as the relationship between the two operations. Grade 5--Describe the effects of multiplying and dividing whole numbers as well as the relationship between the two operations. Grade 6--Describe the effects of addition and subtraction on fractions and decimals.

Credits: Menus Courtesy of: Ruby Tuesday's; Chilis; Applebee's; Red Robin; Olive Garden; Images Courtesy of: Discovery Education Clip Art; Microsoft Office Online

Standards

Credits

Other