

# REAL-WORLD MATH PROBLEM SOLVING KIT - RESTAURANT MATH



**DD802 - RESTAURANT MATH - MONEY**  
 Our innovative math centre helps students build money skills in a super-familiar context—as they use fun restaurant menus and receipts to figure out prices, calculate the correct change and more! Includes 8 different activities.

- Also Available:**  
**DD801 - Baseball Math - Statistics and Data Analysis**  
**DD803 - Mall Math - Decimals, Fractions & Percents**  
**DD804 - Travel Math - Measurement**  
**DD805 - Neighbourhood Jobs Math - Mixed Operations**  
**DD806 - Party Math - Geometry**

### KEY FEATURES

- 8 activity cards
- 4 menus
- 8 receipts
- Used for a math centre
- Culminating activity for a unit on money

### TARGET AREAS

- Problem solving
- Addition and subtraction of money
- Math in a real-life context
- Supports: Whole Class and Small Group Learning, Visual Learners, ELL, Special Education, and Differentiated Instruction
- Critical thinking

### ASSESSMENT

- Correct use of money
- Determining the important ideas in the problem story
- Reading of work cards and menus, etc.



## **LESSON PLAN FOR REAL-WORLD MATH PROBLEM SOLVING KIT - RESTAURANT MATH**

### Lesson Plan for Small Group Instruction

#### Before

Work with the students to refresh their knowledge of how to add and subtract decimals and how to calculate percentages. Explain to them how these two things relate to using money to pay for a meal at a restaurant. Explain how decimals and percents relate to money and that they will need to figure out sales tax and a tip.

Assess the students' prior knowledge of eating at restaurants and what they remember. Ask questions such as: "How did you know the cost of the meal?" "Do you remember other costs like tax being added to the cost of the meal?" and so on. Record their answers on the board.

#### During

Divide the class into four groups. Give each group a menu, the two receipts, and the activity card that correspond to each other. Have them answer the questions on the activity cards and record their findings using chart paper. Provide the groups with answer cards, so they can check answers on their own. Have manipulatives like coins and bills available for ELL and any others who may require them.

#### After

After the completion of the task, discuss how they got their answers and how this type of math is used in real-life. Relate back to the answers you put on the board before beginning the task and answer any questions on percents and decimals that students may have.

### **EXTENSION ACTIVITIES**

- Have students create their own menus for a restaurant
- Have them create costs for each meal and mock up a bill that is complete with tax and a total
- Have them develop math word problems for solving

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