

Lunch at Benny's

A Problem Solving Exercise

Name: _____ Date: _____

The Scenario

Mr. Jones brought his three children to Benny's Diner to have lunch today.

James, who is twelve years old, ordered a bacon cheeseburger plate. It had a menu price of \$6.50. Mr. Jones ordered a chef's salad which was \$2.70 more. Sarah, age seven, and Samantha, age six, both ordered grilled cheese sandwiches. Each of them also ordered a drink which cost \$1.20 each.

When the bill came, Mr. Jones noticed that the total of the prices of the items (before tax) was exactly \$30.



The Problem

What was the menu price of one grilled cheese sandwich?

Extra

What will Mr. Jones pay for lunch if the tax rate is 8%?

Counting and Making Change

Name: _____ Date: _____

How much of each currency do you need to reach the amounts shown?

(1) \$6.40 _____ tens _____ fives _____ ones _____ quarters _____ dimes
 _____ nickels _____ pennies

(2) \$9.33 _____ tens _____ fives _____ ones _____ quarters _____ dimes
 _____ nickels _____ pennies

(3) \$2.90 _____ tens _____ fives _____ ones _____ quarters _____ dimes
 _____ nickels _____ pennies

(4) \$15.45 _____ tens _____ fives _____ ones _____ quarters _____ dimes
 _____ nickels _____ pennies

What is the total of the following combinations of currency?

(5) 3 ones, 1 nickel and 1 penny equals _____ .

(6) 1 ten, 1 five, 1 one, 2 quarters, 1 nickel and 1 penny equals _____ .

(7) 1 ten, 1 five, 3 ones and 4 pennies equals _____ .

(8) 1 ten, 2 ones, 1 quarter, 1 dime and 4 pennies equals _____ .

(9) 1 five, 3 ones, 2 dimes and 1 penny equals _____ .

(10) 4 ones, 2 quarters, 2 dimes and 4 pennies equals _____ .

(11) 1 five, 2 ones, 1 quarter, 1 dime and 1 penny equals _____ .

(12) 1 five and 3 quarters equals _____ .

(13) 3 ones, 2 quarters and 4 pennies equals _____ .