

Problem of the Week #23: Change for a Dollar

(from NCTM)



My friend Tonya needed exact change for a juice machine. She only had a \$1.00 bill in her pocket. She asked if I could trade her one dollar in change for her one-dollar bill.

I looked in my pocket and I had more than \$1.00 in coins, and less than \$2.00, so I said, "Sure." When I emptied my pocket, however, I realized that even though I had more than \$1.00 in coins, I could not make exact change for \$1.00.

What coins could I have?

(Use: quarters, dimes, nickels and pennies as possible coins.)

Name: _____ Class: _____

(First and last name, please.)