

# Straight's Problem of the Week

GRE 534 – September 22, 2008

*Problem solution with full justification must be submitted on Monday, September 29, 2008.*

The other day I was asked for change for a dollar, and since I had “a pile of change” in my pocket, I was *certain* that I would have it.

Upon further inspection, I determined, surprisingly, that I did NOT have appropriate change to break a dollar.

What is the largest amount of change (not counting dollar coins or “two-nies,” for those who hail from north of the border) that one can have without being able to break a dollar?

Additionally, what is the detailed composition of that amount?