(Note: The same setup is used for all three problems on this quiz.)
Suppose a box contains 4 coins, namely one penny, one nickel, one dime, and one quarter. You reach into the box and pick two coins without replacement, each coin being equally likely. What is the probability neither coin is a dime, given neither coin is a penny?

(a) None of these

(b) 3/5

(c) 1/4

(d) 1

(e) 0

(f) 1/2

(g) 2/3

(h) 3/4

(i) 1/8

(j) 3/8

(k) 5/8

(l) 3/5