

Numbers in Retail Cash Handling

| Bills and Coins



For all calculations, do not use a calculator and show all your work.

1. A customer purchases goods in a store worth \$113.75. To pay, the customer hands the cashier three \$20 bills, four \$10 bills, and four \$5 bills. The cashier counts the money and hands back one \$5 bill and two \$1 bills. The cashier says that the cash register is out of coins, so the customer has saved some money because he or she has been given extra change.

a) In total, how much money did the customer give the cashier? Show your work.

b) Was the cashier's claim about giving the customer extra change correct? If yes, how much extra change did the customer receive? If no, how much more change did the customer need to receive?

2. The manager at a coffee shop is collecting cash from the cash register at the end of the day to deposit at the bank. The manager removes eleven \$50 bills, twelve \$20 bills, twenty-one \$10 bills, twenty-eight \$5 bills, and thirty-six \$1 bills from the cash register. The manager leaves ten \$20 bills, fifteen \$10 bills, twenty \$5 bills, and forty \$1 bills.

a) In total, how much money was removed from the cash register?

b) In total, how much money was left in the cash register?

c) In total, how much money was in the cash register before the manager did the end-of-day collection?