

Numbers in Retail Cash Handling

| Suggested Responses



Worksheet

1. a) $50 - 37.85 = \$12.15$
b) Three bills and two coins: one \$10 bill, two \$1 bills, one 10¢ coin, and one 5¢ coin.
2. a) $50.85 - 37.85 = \$13$
b) Four bills and zero coins: one \$10 bill and three \$1 bills.

Bills and Coins

1. a) $3 \times 20 = \$60$
 $4 \times 10 = \$40$
 $4 \times 5 = \$20$
 $60 + 40 + 20 = \$120$
b) $120 - 113.75 = \$6.25$ change needed
 $2 \times 1 = \$2$
 $5 + 2 = \$7$ change given
 $7 - 6.25 = 0.75$
Yes, the cashier's claim was correct and the customer received 75¢ extra change.
2. a) $11 \times \$50 = \550
 $12 \times \$20 = \240
 $21 \times \$10 = \210
 $28 \times \$5 = \140
 $36 \times \$1 = \36
 $550 + 240 + 210 + 140 + 36 = \$1,176$
b) $10 \times \$20 = \200
 $15 \times \$10 = \150
 $20 \times \$5 = \100
 $40 \times \$1 = \40
 $200 + 150 + 100 + 40 = \$490$
c) $1,176 + 490 = \$1,666$

Bills and Coins: Extension

1. a) $19.95 + 2.35 + 3.70 + 24.15 + 11.25 + 18.45 = \79.85

$2 \times 50 = \$100$

$100 - 79.85 = \$20.15$

One \$20 bill, one 10¢ coin, and one 5¢ coin

b) $23 \times \$2.89 = \66.47

$50 + 20 = \$70$

$70 - 66.47 = \$3.53$

Three \$1 bills, two 25¢ coins, three 1¢ coins

c) $2 \times \$5 = \10

$3 \times \$1 = \3

$10 + 3 = \$13$

$13 - 12.35 = 65¢$

Two 25¢ coins, one 10¢ coin, and one 5¢ coin

2. $4 \times \$1 = \4

$2 \times 25¢ = 50¢$

$10 + 4 + 0.50 = \$14.50$

$14.73 - 14.50 = 23¢ \text{ discount}$

3. a) $5\% \times 25.95 = 1.2975$

$25.95 - 1.2975 = 24.6525$

$\rightarrow \$24.65$

b) $5\% \times \$16.50 = 0.825$

$16.50 - 0.825 = 15.675$

$\rightarrow \$15.70$

c) $12 \times 7.45 = 89.40$

$5\% \times 89.40 = 4.47$

$89.4 - 4.47 = 84.93$

$\rightarrow \$84.95$

Transcript – For student and teacher use.