



NAME _____ DATE _____

COUNTING MONEY WITHOUT USING COINS

Solve word problems involving the total value of a group of coins.

- 1) There are 2 quarters and 14 pennies in the top drawer of the desk and 7 pennies, 2 nickels and 1 dime in the bottom drawer. What is the total value of the money in both drawers?

Solution:

Money in the top drawer desk = 2 quarters and 14 pennies.

$$2 \text{ Quarters} = \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ cents.}$$

$$14 \text{ Pennies} = \underline{\quad} \text{ cents.}$$

Money in the bottom drawer = 7 pennies and 2 nickels.

$$7 \text{ Pennies} = \underline{\quad} \text{ cents.}$$

$$2 \text{ Nickels} = \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ cents.}$$

$$\text{Total value of the money in both drawers} = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ cents.}$$

By arrow way:

$$50 \xrightarrow{+14} \underline{\quad} \xrightarrow{+10} \underline{\quad} \xrightarrow{+6} \underline{\quad} \xrightarrow{+1} \underline{\quad}$$

- 2) Ricardo had 3 quarters, 1 dime, 1 nickel and 4 pennies. He gave 68 cents to his friend. How much money does Ricardo left with?

Solution:

Money with Ricardo at first = 3 quarters, 1 dime, 1 nickel and 4 pennies.

(1 Quarter = 25 cents, 1 Dime = 10 cents, 1 Nickel = 5 cents, 4 Pennies = 4 cents)

$$3 \text{ Quarters} = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ cents.}$$

$$\text{Total money Ricardo have} = 75 + 10 + 5 + 4 = 94 \text{ cents.}$$

$$\text{He gave money to his friend} = 68 \text{ cents.}$$

$$\text{Money has left with Ricardo} = 94 - 68 = \underline{\quad} \text{ cents.}$$

By arrow way:

$$94 \xrightarrow{-60} \underline{\quad} \xrightarrow{-10} \underline{\quad} \xrightarrow{+2} \underline{\quad}$$