

COUNTING MONEY WITHOUT USING COINS

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

1) Greg had 1 quarter, 1 dime and 3 nickels in his pocket. He found 3 nickels on the side - walk. How much money does Greg have?

Solution:

Greg had money in his pocket = 1 quarters, 1 dime and 3 nickels.

 $1 \text{ Quarter} = ___ \text{ cents.}$ $1 \text{ Dime} = ___ \text{ cents.}$ $3 \text{ Nickels} = _ + _ + _ = __ \text{ cents.}$ He found money on the side - walk = __ nickels. $3 \text{ Nickels} = _ + _ + _ = __ \text{ cents.}$ Total value of the money in both drawers = __ + _ + _ = __ \text{ cents.}
By arrow way: $25 \xrightarrow{+10} _ \xrightarrow{+10} _ \xrightarrow{+10} _ \xrightarrow{+10} _ \xrightarrow{+10} _$

2) Robert gave Sandra 1 quarter, 5 nickels and 2 pennies. Sandra already had 3 pennies and 2 dimes. How much money does Sandra have now?

Solution:

Robert gave money to Sandra = 1 quarter, 5 nickels and 2 pennies.

5 Nickels = ___ + ___ + ___ + ___ = ____ cents.

Sandra already had ____ pennies and ____ dimes.

3 Pennies = ___ cents.

1 Quarter = cents.

2 Dimes = ____ + ___ = ____ cents.

Now, total money with Sandra = _____ cents.

_____ + ____ + ____ = ____ cents.

By arrow way:

 $25 \xrightarrow{+5} \longrightarrow 50 \longrightarrow 70 \xrightarrow{+3}$

