



NAME \_\_\_\_\_ DATE \_\_\_\_\_

## COUNTING MONEY WITHOUT USING COINS

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

**Example:**

Grace has 3 dimes, 2 nickels and 12 pennies. How much money does she have?

**Solution:**

1 Quarter = 25 cents, 1 Dime = 10 cents, 1 Nickel = 5 cents, 1 Penny = 1 cent

$$3 \text{ Dimes} = 10 + 10 + 10 = \underline{30} \text{ cents.}$$

$$2 \text{ Nickels} = 5 + 5 = \underline{10} \text{ cents.}$$

$$12 \text{ Pennies} = \underline{12} \text{ cents.}$$

$$\begin{aligned} \text{Total money with Grace} &= 30 + \underline{10} + \underline{12}. \\ &= 40 + \underline{12}. \\ &= \underline{52} \text{ cents.} \end{aligned}$$

**By arrow way:**

$$30 \xrightarrow{+10} \underline{40} \xrightarrow{+12} \underline{52}$$

1) Lisa has 2 dimes and 4 pennies in one pocket and 4 nickels and 1 quarter in the other pocket. How much money does she have in all?

**Solution:**

**Money in one pocket:**

$$2 \text{ Dimes} = 10 + 10 = \underline{\quad} \text{ cents.}$$

$$4 \text{ Pennies} = \underline{\quad} \text{ cents.}$$

**Money in other pocket:**

$$4 \text{ Nickels} = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ cents.}$$

$$1 \text{ Quarter} = \underline{\quad} \text{ cents.}$$

$$\begin{aligned} \text{Money with Lisa have in all} &= \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}. \\ &= \underline{\quad} \text{ cents.} \end{aligned}$$

**By arrow way:**

$$20 \xrightarrow{+20} \underline{\quad} \xrightarrow{+25} \underline{\quad} \xrightarrow{+4} \underline{\quad}$$