



NAME _____

DATE _____

CONSERVATION OF CURRENCY

Solve using the arrow way, a number bond or a tape diagram.

- 1) Ryan went shopping with 3 twenty dollar bills, 3 ten dollar bills, 1 five dollar bill and 9 one dollar bills. He spent 59 dollars on a video game. How much money he is left with?

Solution:

Ryan took money for shopping:

$$20 \text{ dollar bills (3)} = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ dollars.}$$

$$10 \text{ dollar bills (3)} = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ dollars.}$$

$$\text{Five dollar bill (1)} = \underline{\quad} \text{ dollars.}$$

$$\text{One dollar bills (9)} = \underline{\quad} \text{ dollars.}$$

$$\text{Total} = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ dollars.}$$

$$\begin{array}{c}
 \textcircled{95} + 9 \\
 \swarrow \quad \searrow \\
 \textcircled{\quad} \quad \textcircled{1}
 \end{array}
 = 94 + \underline{\quad} = 104.$$

$$\text{Spent money on a video game} = \underline{\quad} \text{ dollars.}$$

$$\text{Money that he has left} = \underline{\quad} - \underline{\quad} = \underline{\quad}.$$

By arrow way:

$$104 \xrightarrow{-60} 44 \xrightarrow{+1} \underline{\quad}$$

$$\text{(Add 1 both sides)} = 105 - 60 = \underline{\quad}.$$

(OR)

- 2) Heather had 3 ten dollar bills and 4 five dollar bills left after buying a new pair of sneakers for \$29. How much money did she have before buying the sneakers?

Solution:

After buying a new pair of sneakers heather had left money:

$$\text{Ten dollar bills (3)} = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ dollars.}$$

$$\text{Five dollar bills (4)} = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ dollars.}$$

$$\text{Total} = \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ dollars.}$$

$$\text{Cost of a new pair of sneakers} = \underline{\quad} \text{ dollars.}$$

$$\text{Money she had before buying the sneakers} = \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ dollars.}$$