



NAME \_\_\_\_\_

DATE \_\_\_\_\_

## NUMBER BONDS AND ARROW WAY METHODS

Add or subtract the following expressions using number bonds and arrow way methods.

a)  $32 + 30 = \underline{\quad}$ .

Number bond:

$$\begin{array}{r}
 32 + 30 = \underline{\quad} \\
 \swarrow \quad \searrow \\
 30 \phantom{+ 30} \\
 30 + 30 = \underline{\quad} \\
 60 + \underline{\quad} = 62
 \end{array}$$

Arrow way:

$$32 \xrightarrow{+10} \underline{\quad} \xrightarrow{+10} \underline{\quad} \xrightarrow{+10} \underline{\quad}$$

b)  $72 - 30 = \underline{\quad}$ .

Number bond:

$$\begin{array}{r}
 72 - 30 = \underline{\quad} \\
 \swarrow \quad \searrow \\
 70 \phantom{- 30} \\
 70 - 30 = \underline{\quad} \\
 40 + 2 = \underline{\quad}
 \end{array}$$

Arrow way:

$$72 \xrightarrow{-10} \underline{\quad} \xrightarrow{-10} \underline{\quad} \xrightarrow{\quad} \underline{42}$$

c)  $53 + 20 = \underline{\quad}$ .

Number bond:

$$\begin{array}{r}
 53 + 20 = \underline{\quad} \\
 \swarrow \quad \searrow \\
 50 \phantom{+ 20} \\
 50 + \underline{\quad} = 70 \\
 70 + \underline{\quad} = 73
 \end{array}$$

Arrow way:

$$53 \xrightarrow{\quad} \underline{63} \xrightarrow{\quad} \underline{73}$$