

**NUMBER BONDS AND ARROW WAY METHODS**

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

a) $83 - 30 = \underline{\quad}$.

Number bond:

$$\begin{array}{r}
 83 - 30 = \underline{\quad} \\
 \swarrow \quad \searrow \\
 80 \qquad \qquad \\
 80 - 30 = \underline{\quad} \\
 50 + 3 = \underline{\quad}
 \end{array}$$

Arrow way:

$$83 \xrightarrow{-10} \underline{\quad} \xrightarrow{-10} \underline{\quad} \xrightarrow{-10} \underline{\quad}$$

b) $65 - 20 = \underline{\quad}$.

Number bond:

$$\begin{array}{r}
 65 - 20 = \underline{\quad} \\
 \swarrow \quad \searrow \\
 60 \qquad \qquad \\
 60 - 20 = \underline{\quad} \\
 40 + \underline{\quad} = 45
 \end{array}$$

Arrow way:

$$65 \xrightarrow{-10} \underline{\quad} \xrightarrow{\quad} \underline{45}$$

c) $42 + 20 = \underline{\quad}$.

Number bond:

$$\begin{array}{r}
 42 + 20 = \underline{\quad} \\
 \swarrow \quad \searrow \\
 40 \qquad \qquad \\
 20 + 40 = \underline{\quad} \\
 60 + 2 = \underline{\quad}
 \end{array}$$

Arrow way:

$$42 \xrightarrow{+10} \underline{\quad} \xrightarrow{+10} \underline{\quad}$$