

Partition these numbers:

$$\begin{array}{c} 24 \\ / \quad \backslash \\ 20 + 4 \end{array}$$

$$\begin{array}{c} 18 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 30 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 16 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 32 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 80 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 124 \\ / \quad | \quad \backslash \end{array}$$

Partition, then half and add these numbers:

$$\begin{array}{c} 24 \\ / \quad \backslash \\ 20 + 4 \end{array}$$

$$\begin{array}{c} 12 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 30 \\ / \quad \backslash \end{array}$$

$$10 + 2 = 12$$

$$\begin{array}{c} 16 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 32 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 80 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 124 \\ / \quad | \quad \backslash \end{array}$$

Partition, then double and add these numbers:

$$\begin{array}{c} 24 \\ / \quad \backslash \\ 20 + 4 \end{array}$$

$$40 + 8 = 48$$

$$\begin{array}{c} 18 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 30 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 16 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 32 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 80 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 124 \\ / \quad | \quad \backslash \end{array}$$

Extension

Doubling:

$$\begin{array}{c} 22 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 16 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 14 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 28 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 42 \\ / \quad \backslash \end{array}$$

Halving:

$$\begin{array}{c} 14 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 42 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 22 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 36 \\ / \quad \backslash \end{array}$$

$$\begin{array}{c} 84 \\ / \quad \backslash \end{array}$$