

Split Strategy

This strategy is useful for working with large numbers when adding, subtracting, multiplying or dividing.

Addition

$$\begin{array}{r}
 46 \\
 / \quad \backslash \\
 40 \quad 6
 \end{array}
 +
 \begin{array}{r}
 23 \\
 / \quad \backslash \\
 20 \quad 3
 \end{array}$$

$$\begin{array}{r}
 40 + 6 \\
 \times \\
 20 + 3
 \end{array}$$

$$\begin{array}{r}
 60 \\
 + \\
 9 \\
 =
 \end{array}$$

69

Subtraction

$$\begin{array}{r}
 83 \\
 / \quad \backslash \\
 80 \quad 3
 \end{array}
 -
 \begin{array}{r}
 32 \\
 / \quad \backslash \\
 30 \quad 2
 \end{array}$$

$$\begin{array}{r}
 80 + 3 \\
 - \\
 30 + 2
 \end{array}$$

$$\begin{array}{r}
 50 \\
 + \\
 1 \\
 =
 \end{array}$$

51

Multiplication

$$\begin{array}{r}
 37 \\
 / \quad \backslash \\
 30 \quad 7
 \end{array}
 \times 5$$

$$\begin{array}{r}
 30 \times 5 \\
 + \\
 7 \times 5
 \end{array}$$

$$\begin{array}{r}
 150 \\
 + \\
 35 \\
 =
 \end{array}$$

185

Division

$$\begin{array}{r}
 84 \\
 / \quad \backslash \\
 80 \quad 4
 \end{array}
 \div 4$$

$$\begin{array}{r}
 80 \div 4 \\
 + \\
 4 \div 4
 \end{array}$$

$$\begin{array}{r}
 20 \\
 + \\
 1 \\
 =
 \end{array}$$

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