

习题七

1. 在下面的加法算式的空格内各填入一个合适的数字，使算式成立.

$$\begin{array}{r} \square\square 2 \\ + \quad 4\square \\ \hline \square\square\square 1 \end{array}$$

$$\begin{array}{r} 8\square 5 \\ + \square 7 9 \\ \hline \square 2 3 \square \end{array}$$

$$\begin{array}{r} 5\square \\ + \square\square\square 7 \\ \hline 70 2 1 \end{array}$$

$$\begin{array}{r} \square 8\square 2 \\ + \square 2\square \\ \hline \square 5 \\ 1\square 8 3 5 \end{array}$$

2. 在下面减法算式的空格内各填入一个合适的数字，使算式成立.

$$\begin{array}{r} \square\square 4 \\ - \quad \square\square \\ \hline 9 \end{array}$$

$$\begin{array}{r} \square 0 0 1 \\ - 2 0\square 7 \\ \hline \square 9\square \end{array}$$

$$\begin{array}{r} \square\square\square \\ - \square\square\square \\ \hline 8 9 4 \end{array}$$

$$\begin{array}{r} \square 2\square 6 \\ - \square 9 7 \\ \hline 5 4 3\square \end{array}$$

3. 在下面的算式中，每个方框代表一个数字，问每个算式中所有方框中的数字的总和各是多少？

$$\begin{array}{r} \square\square \\ - \square\square \\ \hline 1 4 9 \end{array}$$

$$\begin{array}{r} \square\square\square \\ - \square\square\square \\ \hline 1 9 9 3 \end{array}$$

4. 在下面算式的空格内各入一个合适的数字，使算式成立.

$$\begin{array}{r} \square 1 1 \\ + \square 9\square \\ \hline \square 9 1\square \\ - \square\square 8\square \\ \hline \square 1 \end{array}$$

$$\begin{array}{r} \square 2\square \\ - \square\square 5 \\ \hline 7 3 7 \\ + \square 8\square \\ \hline \square 0\square 9 \end{array}$$

习题七解答

$$\begin{array}{r}
 \textcircled{9}\textcircled{5}2 \\
 + \quad 4\textcircled{9} \\
 \hline
 \textcircled{1}\textcircled{0}\textcircled{0}1
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{9}\textcircled{6}2 \\
 + \quad 4\textcircled{9} \\
 \hline
 \textcircled{1}\textcircled{0}\textcircled{1}1
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{9}\textcircled{7}2 \\
 + \quad 4\textcircled{9} \\
 \hline
 \textcircled{1}\textcircled{0}\textcircled{2}1
 \end{array}$$

$$\begin{array}{r}
 \textcircled{9}\textcircled{8}2 \\
 + \quad 4\textcircled{9} \\
 \hline
 \textcircled{1}\textcircled{0}\textcircled{3}1
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{9}\textcircled{9}2 \\
 + \quad 4\textcircled{9} \\
 \hline
 \textcircled{1}\textcircled{0}\textcircled{4}1
 \end{array}$$

共五个解。

$$\begin{array}{r}
 \textcircled{8}\textcircled{5}5 \\
 + \textcircled{3}79 \\
 \hline
 \textcircled{1}23\textcircled{4}
 \end{array}
 \quad
 \begin{array}{r}
 \quad 5\textcircled{4} \\
 + \textcircled{6}\textcircled{9}\textcircled{6}7 \\
 \hline
 7021
 \end{array}$$

$$\begin{array}{r}
 \textcircled{9}8\textcircled{1}2 \\
 + \textcircled{8}2\textcircled{8} \\
 \hline
 \quad \textcircled{9}5 \\
 \hline
 1\textcircled{0}835
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{9}8\textcircled{2}2 \\
 + \textcircled{9}2\textcircled{8} \\
 \hline
 \quad \textcircled{8}5 \\
 \hline
 1\textcircled{0}835
 \end{array}$$

$$\begin{array}{r}
 \textcircled{9}8\textcircled{3}2 \\
 + \textcircled{9}2\textcircled{8} \\
 \hline
 \quad \textcircled{7}5 \\
 \hline
 1\textcircled{0}835
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{9}8\textcircled{4}2 \\
 + \textcircled{9}2\textcircled{8} \\
 \hline
 \quad \textcircled{6}5 \\
 \hline
 1\textcircled{0}835
 \end{array}$$

$$\begin{array}{r}
 \textcircled{9}8\textcircled{5}2 \\
 + \textcircled{9}2\textcircled{8} \\
 \hline
 \quad \textcircled{5}5 \\
 \hline
 1\textcircled{0}835
 \end{array}$$

由于前四种解中第一个加数的十位与第三个加数的十位可互换, 所以共有 9 种解法。

2.

$$\begin{array}{r} \textcircled{1} \quad \begin{array}{r} \boxed{1}\boxed{0}4 \\ - \quad \boxed{9}\boxed{5} \\ \hline 9 \end{array} \qquad \begin{array}{r} \textcircled{2} \quad \begin{array}{r} \boxed{3}001 \\ - 20\boxed{0}7 \\ \hline \boxed{9}9\boxed{4} \end{array} \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad \begin{array}{r} \boxed{9}\boxed{9}4 \\ - \boxed{1}\boxed{0}0 \\ \hline 894 \end{array} \quad \begin{array}{r} \boxed{9}\boxed{9}5 \\ - \boxed{1}\boxed{0}1 \\ \hline 894 \end{array} \quad \begin{array}{r} \boxed{9}\boxed{9}6 \\ - \boxed{1}\boxed{0}2 \\ \hline 894 \end{array} \\ \begin{array}{r} \boxed{9}\boxed{9}7 \\ - \boxed{1}\boxed{0}3 \\ \hline 894 \end{array} \quad \begin{array}{r} \boxed{9}\boxed{9}8 \\ - \boxed{1}\boxed{0}4 \\ \hline 894 \end{array} \quad \begin{array}{r} \boxed{9}\boxed{9}9 \\ - \boxed{1}\boxed{0}5 \\ \hline 894 \end{array} \end{array}$$

共六个解。

$$\begin{array}{r} \textcircled{4} \quad \begin{array}{r} \boxed{6}2\boxed{3}6 \\ - \quad \boxed{7}97 \\ \hline 543\boxed{9} \end{array} \end{array}$$

3. 本题主要从各数位上的进位情况加以分析,而不必把每个空格所代表的数字求出来。

①由于个位相加的和为 9,十位相加的和为 14,所以所有方框中的数字总和为 $9+14=23$ 。

②由于个位相加的和为 13,十位相加的和为 18,百位相加的和为 18,所以所有方框中的数字总和为 $13+18+18=49$ 。

4.

$$\begin{array}{r} \textcircled{1} \quad \begin{array}{r} \boxed{9}11 \\ + \boxed{9}9\boxed{9} \\ \hline \boxed{1}91\boxed{0} \\ - \boxed{1}\boxed{8}8\boxed{9} \\ \hline \boxed{2}1 \end{array} \qquad \begin{array}{r} \textcircled{2} \quad \begin{array}{r} \boxed{9}2\boxed{2} \\ - \boxed{1}\boxed{8}5 \\ \hline 737 \\ + \boxed{2}8\boxed{2} \\ \hline \boxed{1}0\boxed{1}9 \end{array} \end{array}$$