

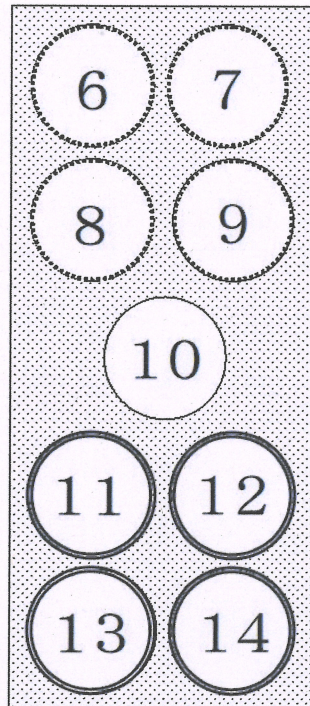
3

9 balls (ナインボールズ) 問題

9 balls (ナインボールズ) 問題 解答手順

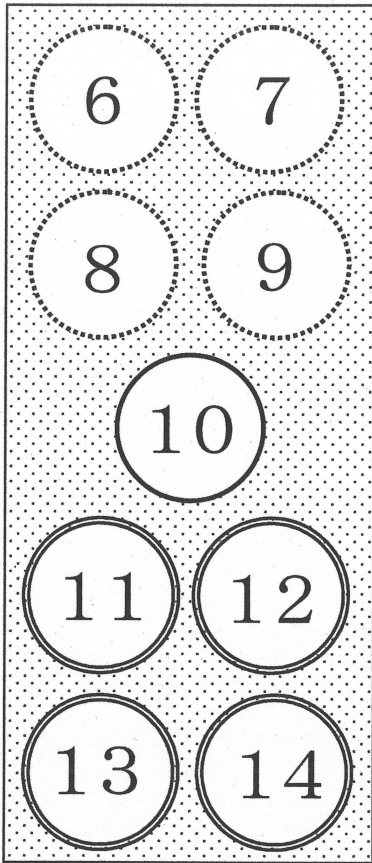
- 左の○の中に書かれた9つの数字を、右の○の中に書き入れ、たてと横の計算式を完成させます。
- どの○にどの数字を入れるかは自由です。選んだ9つの数字はすべて書き入れます。同じ数字を重複して書くことはできません。
- たてとよこの6つの計算が答えと一致したら正解となります。
- ※ あらかじめ書かれている数字はその数字をつかいます。
- ※ 問題の難易度によっては、ちょうど中央の数字を一本線の○で囲んでいます。それより小さい数字は点線の○で、それより大きい数字は二重線の○で囲んでいます。どこに数字を配置するかを考える上でヒントとして活用します。

<実施例>



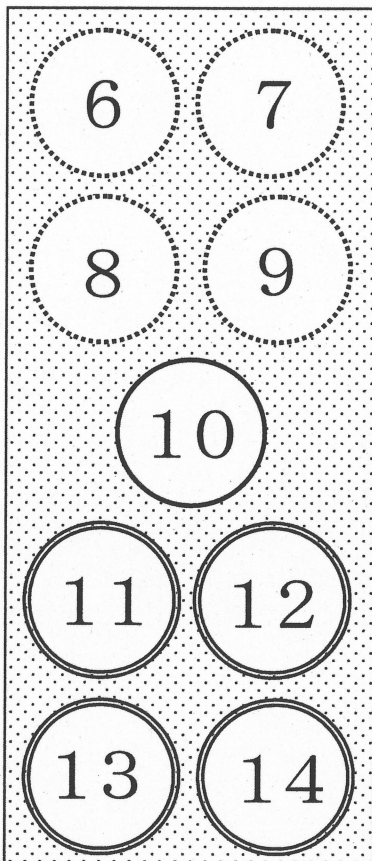
13	-	11	+	9	=	11
		+		+		
8	+	12	+	10	=	30
+		+				
6	+	14	-	7	=	13
11		37		12		

A



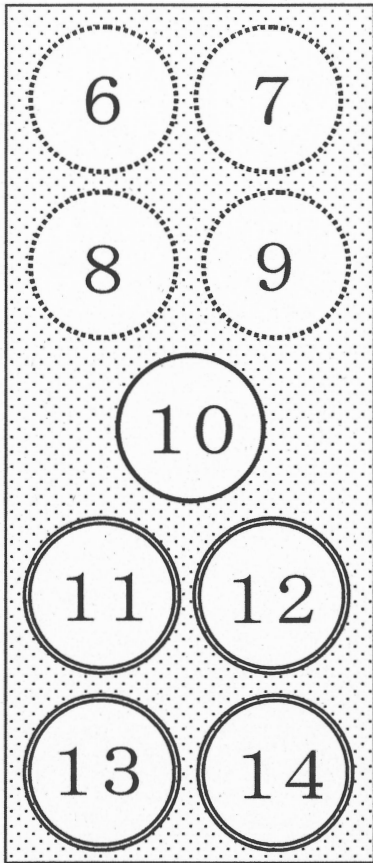
$$\begin{array}{rcccl}
 \bigcirc & - & \bigcirc & + & \bigcirc = \boxed{20} \\
 + & & + & & + \\
 \bigcirc & + & \bigcirc & + & \bigcirc = \boxed{27} \\
 | & & + & & | \\
 \bigcirc & + & \bigcirc & - & \bigcirc = \boxed{5} \\
 || & & || & & || \\
 \boxed{9} & & \boxed{25} & & \boxed{10}
 \end{array}$$

B



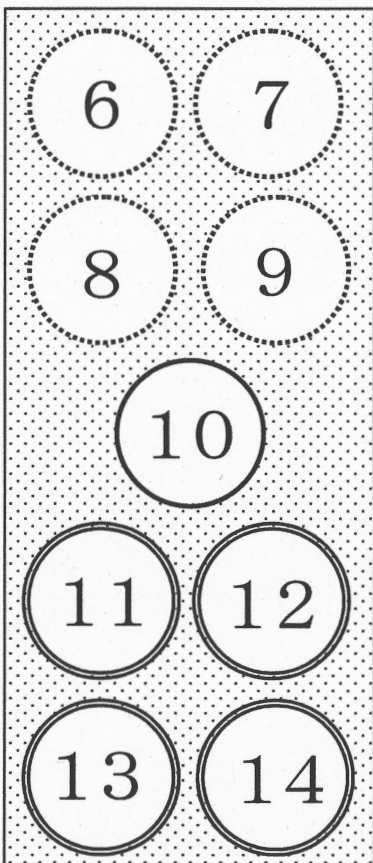
$$\begin{array}{rcccl}
 \bigcirc & + & \bigcirc & - & \bigcirc = \boxed{6} \\
 + & & + & & | \\
 \bigcirc & - & \bigcirc & + & \bigcirc = \boxed{11} \\
 | & & + & & + \\
 \bigcirc & + & \bigcirc & + & \bigcirc = \boxed{27} \\
 || & & || & & || \\
 \boxed{13} & & \boxed{35} & & \boxed{8}
 \end{array}$$

①



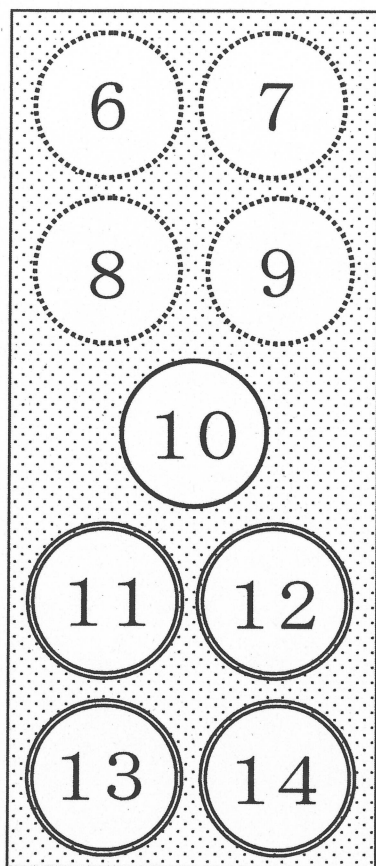
$$\begin{array}{rcl}
 \textcircled{12} - \textcircled{6} + \textcircled{14} & = & \boxed{20} \\
 + & + & + \\
 \textcircled{7} + \textcircled{11} + \textcircled{9} & = & \boxed{27} \\
 | & + & | \\
 \textcircled{10} + \textcircled{8} - \textcircled{13} & = & \boxed{5} \\
 || & || & || \\
 \boxed{9} & \boxed{25} & \boxed{10}
 \end{array}$$

②



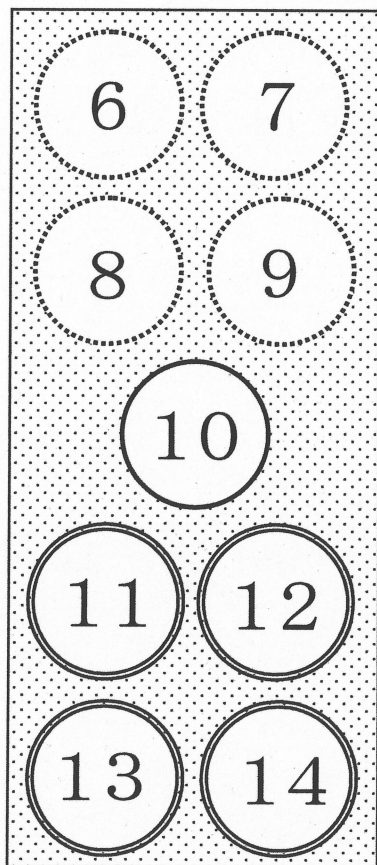
$$\begin{array}{rcl}
 \textcircled{7} + \textcircled{10} - \textcircled{11} & = & \boxed{6} \\
 + & + & | \\
 \textcircled{14} - \textcircled{12} + \textcircled{9} & = & \boxed{11} \\
 | & + & + \\
 \textcircled{8} + \textcircled{13} + \textcircled{6} & = & \boxed{27} \\
 || & || & || \\
 \boxed{13} & \boxed{35} & \boxed{8}
 \end{array}$$

③



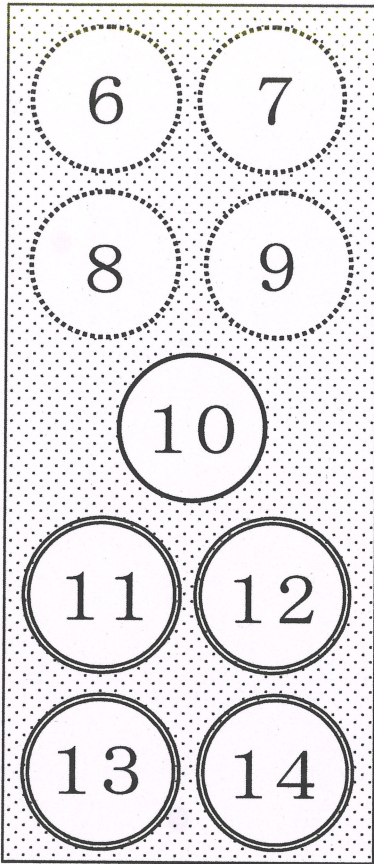
$$\begin{array}{rcccl}
 \text{Dotted Circle} & + & \text{Double Circle} & - & \text{Double Circle} & = & \boxed{12} \\
 + & & + & & + & & \\
 \text{Double Circle} & + & 10 & + & \text{Dotted Circle} & = & \boxed{29} \\
 | & & + & & | & & \\
 \text{Dotted Circle} & + & \text{Double Circle} & - & \text{Dotted Circle} & = & \boxed{11} \\
 || & & || & & || & & \\
 \boxed{15} & & \boxed{36} & & \boxed{9} & &
 \end{array}$$

④



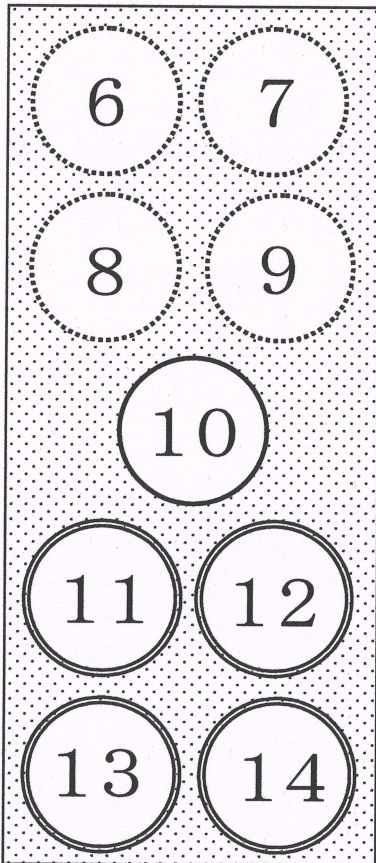
$$\begin{array}{rcccl}
 \text{Dotted Circle} & + & \text{Dotted Circle} & + & \text{Double Circle} & = & \boxed{28} \\
 + & & + & & | & & \\
 \text{Double Circle} & - & \text{Double Circle} & + & 10 & = & \boxed{12} \\
 + & & | & & + & & \\
 \text{Dotted Circle} & + & \text{Double Circle} & - & \text{Dotted Circle} & = & \boxed{12} \\
 || & & || & & || & & \\
 \boxed{31} & & \boxed{7} & & \boxed{10} & &
 \end{array}$$

③



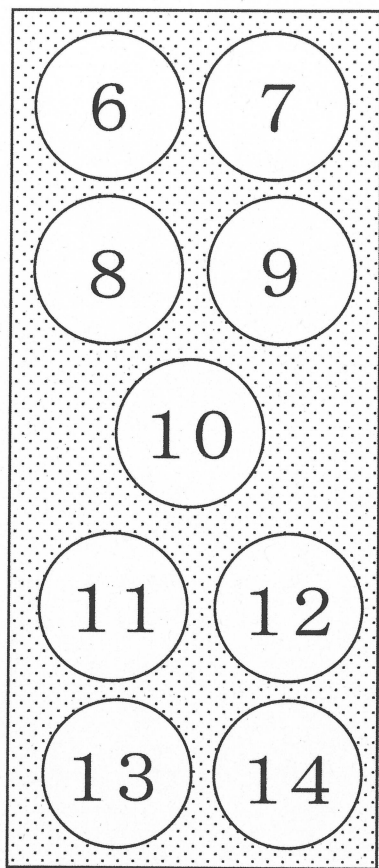
$$\begin{array}{rcccl}
 \textcircled{9} & + & \textcircled{14} & - & \textcircled{11} = \boxed{12} \\
 + & & + & & + \\
 \textcircled{13} & + & \textcircled{10} & + & \textcircled{6} = \boxed{29} \\
 | & & + & & | \\
 \textcircled{7} & + & \textcircled{12} & - & \textcircled{8} = \boxed{11} \\
 || & & || & & || \\
 \boxed{15} & & \boxed{36} & & \boxed{9}
 \end{array}$$

④



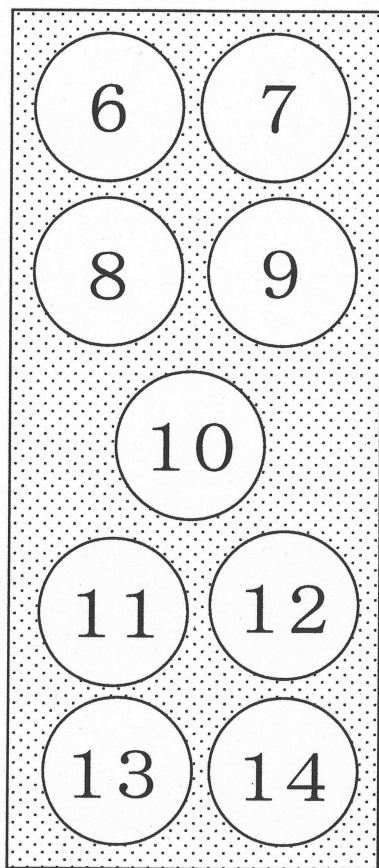
$$\begin{array}{rcccl}
 \textcircled{9} & + & \textcircled{6} & + & \textcircled{13} = \boxed{28} \\
 + & & + & & | \\
 \textcircled{14} & - & \textcircled{12} & + & \textcircled{10} = \boxed{12} \\
 + & & | & & + \\
 \textcircled{8} & + & \textcircled{11} & - & \textcircled{7} = \boxed{12} \\
 || & & || & & || \\
 \boxed{31} & & \boxed{7} & & \boxed{10}
 \end{array}$$

Ⓔ



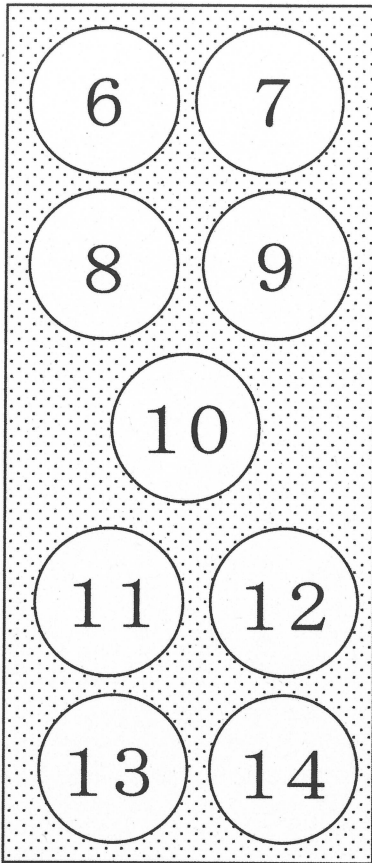
$$\begin{array}{rcccl}
 \bigcirc & + & \bigcirc & + & \bigcirc & = & \boxed{32} \\
 + & & | & & + & & \\
 \bigcirc & + & 10 & - & \bigcirc & = & \boxed{9} \\
 + & & + & & | & & \\
 \bigcirc & - & \bigcirc & + & \bigcirc & = & \boxed{7} \\
 || & & || & & || & & \\
 \boxed{32} & & \boxed{15} & & \boxed{11} & &
 \end{array}$$

Ⓕ



$$\begin{array}{rcccl}
 10 & + & \bigcirc & + & \bigcirc & = & \boxed{31} \\
 + & & | & & + & & \\
 \bigcirc & - & \bigcirc & + & \bigcirc & = & \boxed{19} \\
 + & & + & & | & & \\
 \bigcirc & + & \bigcirc & - & \bigcirc & = & \boxed{10} \\
 || & & || & & || & & \\
 \boxed{31} & & \boxed{19} & & \boxed{10} & &
 \end{array}$$

⑤



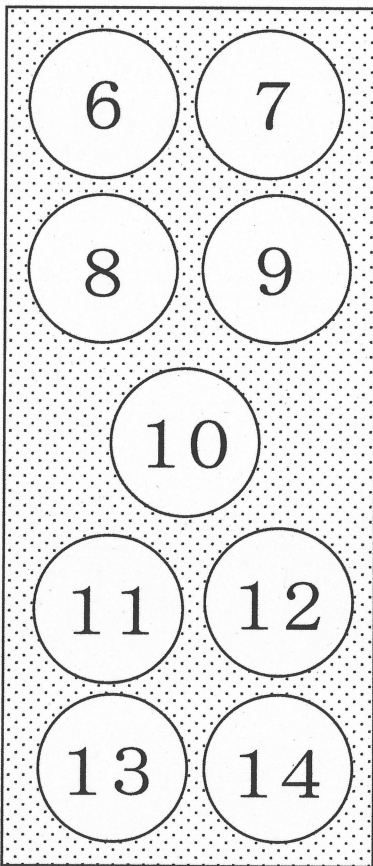
$$\begin{array}{c} \textcircled{11} + \textcircled{12} + \textcircled{9} = \boxed{32} \\ + \quad | \quad + \end{array}$$

$$\begin{array}{c} \textcircled{7} + \textcircled{10} - \textcircled{8} = \boxed{9} \\ + \quad + \quad | \end{array}$$

$$\begin{array}{c} \textcircled{14} - \textcircled{13} + \textcircled{6} = \boxed{7} \\ || \quad || \quad || \end{array}$$

$$\begin{array}{ccc} \boxed{32} & \boxed{15} & \boxed{11} \end{array}$$

⑥



$$\begin{array}{c} \textcircled{10} + \textcircled{14} + \textcircled{7} = \boxed{31} \\ + \quad | \quad + \end{array}$$

$$\begin{array}{c} \textcircled{13} - \textcircled{6} + \textcircled{12} = \boxed{19} \\ + \quad + \quad | \end{array}$$

$$\begin{array}{c} \textcircled{8} + \textcircled{11} - \textcircled{9} = \boxed{10} \\ || \quad || \quad || \end{array}$$

$$\begin{array}{ccc} \boxed{31} & \boxed{19} & \boxed{10} \end{array}$$