

N°1

$9 - 1 = 8$	$6 - 2 = 4$
$\begin{array}{c} + \\ 4 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$
$\begin{array}{c} \times \\ 8 \\ \hline 6 \end{array}$	$\begin{array}{c} \times \\ 8 \\ \hline 1 \end{array}$
$- 3 =$	$- 3 =$
$3 + 1 = 4$	$1 + 1 = 2$
$\begin{array}{c} + \\ 5 \\ \hline 0 \end{array}$	$\begin{array}{c} + \\ 5 \\ \hline 0 \end{array}$
$2 + 6 = 8$	$8 - 1 = 7$
$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$
$\begin{array}{c} \times \\ 3 \\ \hline 2 \end{array}$	$\begin{array}{c} \times \\ 6 \\ \hline 4 \end{array}$
$+ 3 =$	$+ 3 =$
$1 + 3 = 4$	$8 - 4 = 4$

N°2

$3 - 1 = 2$	$5 - 3 = 2$
$\begin{array}{c} \times \\ 8 \\ \hline 2 \end{array}$	$\begin{array}{c} \times \\ 8 \\ \hline 1 \end{array}$
$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$
$- 1 =$	$- 1 =$
$4 - 4 = 0$	$2 + 4 = 6$
$\begin{array}{c} + \\ 3 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 3 \\ \hline 1 \end{array}$
$2 + 7 = 9$	$1 + 3 = 4$
$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$
$\begin{array}{c} \times \\ 4 \\ \hline 1 \end{array}$	$\begin{array}{c} \times \\ 9 \\ \hline 3 \end{array}$
$+ 5 =$	$+ 5 =$
$0 + 3 = 3$	$0 + 2 = 2$

N°3

$3 + 1 = 4$	$3 + 5 = 8$
$\begin{array}{c} \times \\ 8 \\ \hline 2 \end{array}$	$\begin{array}{c} \times \\ 8 \\ \hline 1 \end{array}$
$\begin{array}{c} + \\ 7 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$+ 2 =$	$+ 2 =$
$4 - 3 = 1$	$2 + 1 = 3$
$\begin{array}{c} + \\ 4 \\ \hline 2 \end{array}$	$\begin{array}{c} + \\ 2 \\ \hline 2 \end{array}$
$8 - 7 = 1$	$8 - 3 = 5$
$\begin{array}{c} \times \\ 7 \\ \hline 5 \end{array}$	$\begin{array}{c} \times \\ 8 \\ \hline 3 \end{array}$
$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 4 \\ \hline 4 \end{array}$
$- 5 =$	$- 5 =$
$6 - 6 = 0$	$2 - 2 = 0$

N°4

$9 - 2 = 7$	$5 + 1 = 6$
$\begin{array}{c} \times \\ 8 \\ \hline 7 \end{array}$	$\begin{array}{c} \times \\ 8 \\ \hline 4 \end{array}$
$\begin{array}{c} + \\ 3 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$
$+ 5 =$	$+ 5 =$
$2 - 2 = 0$	$3 + 5 = 8$
$\begin{array}{c} + \\ 1 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 2 \\ \hline 2 \end{array}$
$7 + 1 = 8$	$5 + 3 = 8$
$\begin{array}{c} + \\ 7 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$
$\begin{array}{c} \times \\ 5 \\ \hline 4 \end{array}$	$\begin{array}{c} + \\ 6 \\ \hline 1 \end{array}$
$+ 3 =$	$+ 3 =$
$4 - 4 = 0$	$3 + 1 = 4$

N°5

5	+	3	=	8	6	-	2	=	4
8					8				
4					1				3
0	+	2	=	2	4	-	2	=	2
	+	1				+	2		
5	+	3	=	8	5	-	4	=	1
5					9				
1					1				1
0	+	6	=	6	4	-	4	=	0

N°6

3	+	4	=	7	3	+	3	=	6
8					9				
2					1				1
4	+	2	=	6	1	+	2	=	3
	+	2				+	2		
8	+	0	=	8	5	+	4	=	9
2					9				
1					1				7
6	+	0	=	6	4	-	2	=	2

N°7

4	-	3	=	1	6	-	1	=	5
8					8				
3					1				4
2	-	2	=	0	4	-	4	=	0
	+	5				+	1		
1	+	7	=	8	3	+	3	=	6
9					7				
1					1				4
0	+	4	=	4	0	+	8	=	8

N°8

6	-	0	=	6	6	+	1	=	7
9					4				
1					1				5
5	-	5	=	0	4	+	2	=	6
	+	3				+	1		
6	+	2	=	8	7	-	1	=	6
8					3				
1					1				4
4	-	4	=	0	0	+	8	=	8

N°9

9	-	2	=	7	5	+	1	=	6
+					×				+
7					8				7
=					=				=
1					4				1
6	-	1	=	5	0	+	3	=	3
+					-				-
0					1				
9	-	1	=	8	8	-	2	=	6
×				+	×				×
8				9	4				8
=				=	=				=
7				1	3				4
2	+	5	=	7	2	+	6	=	8

N°10

2	+	6	=	8	1	+	7	=	8
+				+	+				×
8				6	9				8
=				=	=				=
1				1	6				6
0	+	4	=	4	0	+	4	=	4
+				+	+				+
2				2	1				1
7	-	6	=	1	8	-	5	=	3
×				+	×				×
8				9	2				8
=				=	=				=
5				1	1				2
6	-	6	=	0	6	-	2	=	4

N°11

5	-	0	=	5	6	+	3	=	9
×				+	+				+
8				7	5				8
=				=	=				=
4				1	1				1
0	+	2	=	2	1	+	6	=	7
+				+	-				-
0				2	2				
4	+	2	=	6	8	-	4	=	4
×				+	×				×
8				7	7				8
=				=	=				=
3				1	5				3
2	+	1	=	3	6	-	4	=	2

N°12

7	-	5	=	2	5	-	2	=	3
+				+	+				×
5				8	6				8
=				=	=				=
1				1	2				2
2	-	2	=	0	1	+	3	=	4
+				+	-				-
2				2	2				
9	-	4	=	5	9	-	1	=	8
×				+	+				×
8				8	1				2
=				=	=				=
7				1	1				1
2	+	1	=	3	0	+	6	=	6

N°13

$2 + 5 = 7$	$3 + 6 = 9$
$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$5 + 4 = 9$	$2 + 6 = 8$
$\begin{array}{c} + \\ 5 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 3 \\ \hline 1 \end{array}$
$0 + 2 = 2$	
$\begin{array}{c} + \\ 5 \\ \hline 1 \end{array}$	
$2 + 7 = 9$	$3 + 3 = 6$
$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$3 + 6 = 9$	$2 + 2 = 4$
$\begin{array}{c} + \\ 3 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 2 \\ \hline 1 \end{array}$
$1 + 6 = 7$	
$\begin{array}{c} + \\ 1 \\ \hline 1 \end{array}$	

N°14

$2 + 6 = 8$	$1 + 5 = 6$
$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$9 + 0 = 9$	$0 + 4 = 4$
$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 1 \\ \hline 1 \end{array}$
$1 + 6 = 7$	
$\begin{array}{c} + \\ 0 \\ \hline 1 \end{array}$	
$3 + 6 = 9$	$6 + 3 = 9$
$\begin{array}{c} + \\ 7 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$7 + 2 = 9$	$5 - 1 = 4$
$\begin{array}{c} + \\ 6 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 5 \\ \hline 1 \end{array}$
$0 + 3 = 3$	
$\begin{array}{c} + \\ 0 \\ \hline 1 \end{array}$	

N°15

$6 + 2 = 8$	$1 + 8 = 9$
$\begin{array}{c} + \\ 4 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$3 + 6 = 9$	$0 + 1 = 1$
$\begin{array}{c} + \\ 3 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 6 \\ \hline 1 \end{array}$
$0 + 1 = 1$	
$\begin{array}{c} + \\ 6 \\ \hline 1 \end{array}$	
$9 - 7 = 2$	$9 - 7 = 2$
$\begin{array}{c} + \\ 1 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$9 - 1 = 8$	$2 - 1 = 1$
$\begin{array}{c} + \\ 1 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 7 \\ \hline 1 \end{array}$
$0 + 8 = 8$	
$\begin{array}{c} + \\ 0 \\ \hline 1 \end{array}$	

N°16

$8 - 5 = 3$	$9 - 6 = 3$
$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$8 + 1 = 9$	$1 - 1 = 0$
$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 3 \\ \hline 1 \end{array}$
$2 - 1 = 1$	
$\begin{array}{c} + \\ 0 \\ \hline 1 \end{array}$	
$8 + 1 = 9$	$9 - 4 = 5$
$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 9 \\ \hline 1 \end{array}$
$8 - 0 = 8$	$2 - 1 = 1$
$\begin{array}{c} + \\ 8 \\ \hline 1 \end{array}$	$\begin{array}{c} + \\ 6 \\ \hline 1 \end{array}$
$2 + 5 = 7$	
$\begin{array}{c} + \\ 2 \\ \hline 1 \end{array}$	

N°17

9	-	1	=	8	7	-	2	=	5
×			+		×		+		
4			8	-	4		4		
=			=		=		=		
3			1		1			1	
6	+	0	=	6	1	-	0	=	1
	+					+			
	5					4			
	=					=			
9	-	5	=	4	9	-	4	=	5
×			+		×		+		
3			9	-	4		5		
=			=		=		=		
2			1		4			1	
7	-	4	=	3	5	-	5	=	0

N°18

6	-	3	=	3	4	+	3	=	7
×			+		×		+		
9			9	-	1		8		
=			=		=		=		
5			1		1			6	
4	-	2	=	2	2	+	1	=	3
	+					+			
	3					0			
	=					=			
4	+	5	=	9	5	+	1	=	6
+			×		+		×		
7			9	-	3		6		
=			=		=		=		
1			8		1			5	
1	-	0	=	1	1	+	3	=	4

N°19

6	+	3	=	9	4	+	4	=	8
+			×		+		×		
6			8	-	0		8		
=			=		=		=		
1			7		1			7	
2	+	0	=	2	2	+	0	=	2
	+					+			
	2					4			
	=					=			
7	+	2	=	9	1	+	4	=	5
+			×		+		×		
5			2	+	7		9		
=			=		=		=		
1			1		1			4	
2	+	6	=	8	0	+	5	=	5

N°20

8	-	5	=	3	9	-	5	=	4
×			+		×		+		
9			9	-	4		5		
=			=		=		=		
7			1		4			1	
2	+	0	=	2	5	-	5	=	0
	+					+			
	3					1			
	=					=			
9	-	3	=	6	9	-	6	=	3
×			+		×		+		
9			4	+	4		8		
=			=		=		=		
8			1		7			1	
1	-	1	=	0	2	-	2	=	0

Règles

- ❶ Le Garam est un jeu de logique mathématique à base d'opérations simples.
- ❷ Remplissez chaque case avec un seul chiffre de sorte que chaque ligne et chaque colonne forment une opération correcte.
- ❸ Le résultat d'une opération verticale est un nombre à deux chiffres si deux cases suivent le symbole égal.
- ❹ Exemple : ordre de réalisation possible : (1) (2) (3) ...

1 (8)	+	1	=	2 (6)	×	7 (5)	-	3	=	4 (3)	×	6 (2)
9 (9)				1 (7)						2 (4)		2 (1)
0 (10)	+	4 (7)	=	4						4 (18)	-	0 (1)
9 (12)	-	4 (11)	=	5	+	9 (15)	-	3	=	6 (16)	×	4 (17)
8 (13)				1 (14)						2 (21)		9 (23)
7 (13)												1 (22)
2 (14)	+	2	=	4						4 (21)	+	0 (22)