

N°4

N°5

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

N°6

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

N°7

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

N°8

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

N°9

$7 + 2 = 9$	$5 - 1 = 4$
$5 + 9 = 14$	$7 + 6 = 13$
$1 + 1 = 2$	$1 + 1 = 2$
$2 + 6 = 8$	$1 + 0 = 1$
2	6
$7 - 4 = 3$	$8 - 6 = 2$
$7 + 7 = 14$	$6 + 9 = 15$
$1 + 1 = 2$	$1 + 1 = 2$
$4 - 4 = 0$	$4 - 3 = 1$

N°10

$6 + 1 = 7$	$1 + 4 = 5$
$8 + 4 = 12$	$9 + 7 = 16$
$1 + 1 = 2$	$1 + 1 = 2$
$4 - 3 = 1$	$0 + 2 = 2$
4	5
$2 + 7 = 9$	$1 + 7 = 8$
$9 + 8 = 17$	$9 + 9 = 18$
$1 + 1 = 2$	$1 + 1 = 2$
$1 + 6 = 7$	$0 + 7 = 7$

N°11

$7 - 5 = 2$	$9 - 3 = 6$
$7 + 9 = 16$	$3 + 7 = 10$
$1 + 1 = 2$	$1 + 1 = 2$
$4 - 3 = 1$	$2 + 1 = 3$
3	0
$5 - 0 = 5$	$3 + 1 = 4$
$6 + 6 = 12$	$8 + 6 = 14$
$1 + 1 = 2$	$1 + 1 = 2$
$1 - 0 = 1$	$1 - 1 = 0$

N°12

$8 - 4 = 4$	$2 + 4 = 6$
$9 + 8 = 17$	$8 + 7 = 15$
$1 + 1 = 2$	$1 + 1 = 2$
$7 - 5 = 2$	$0 + 3 = 3$
1	3
$8 - 4 = 4$	$3 + 6 = 9$
$3 + 7 = 10$	$2 + 9 = 11$
$1 + 1 = 2$	$1 + 1 = 2$
$1 - 0 = 1$	$0 + 1 = 1$

N°13

$6 - 4 = 2$	$5 - 2 = 3$
$\times 2$	$\div 7$
$\underline{1}$	$\underline{1}$
$2 - 1 = 1$	$1 - 1 = 0$
$\div 1$	$\div 4$
$8 - 2 = 6$	$2 + 5 = 7$
$\times 2$	$\times 2$
$\underline{1}$	$\underline{1}$
$6 - 2 = 4$	$4 - 0 = 4$

N°14

$9 - 5 = 4$	$5 + 4 = 9$
$\times 2$	$\div 2$
$\underline{1}$	$\underline{1}$
$8 - 8 = 0$	$4 + 4 = 8$
$\div 8$	$\div 1$
$6 - 0 = 6$	$4 + 3 = 7$
$\times 2$	$\times 2$
$\underline{1}$	$\underline{1}$
$2 - 1 = 1$	$1 + 3 = 4$

N°15

$4 + 3 = 7$	$8 - 6 = 2$
$\div 8$	$\div 9$
$\underline{1}$	$\underline{1}$
$2 + 2 = 4$	$0 + 8 = 8$
$\div 4$	$\div 2$
$8 - 6 = 2$	$1 + 6 = 7$
$\div 9$	$\div 2$
$\underline{1}$	$\underline{1}$
$7 - 5 = 2$	$0 + 4 = 4$

N°16

$2 + 1 = 3$	$7 + 1 = 8$
$\div 8$	$\div 2$
$\underline{1}$	$\underline{1}$
$0 + 1 = 1$	$0 + 6 = 6$
$\div 2$	$\div 2$
$5 - 3 = 2$	$2 + 4 = 6$
$\div 5$	$\div 9$
$\underline{1}$	$\underline{1}$
$0 + 8 = 8$	$1 + 1 = 2$

N°17

$2 + 4 = 6$	$5 + 4 = 9$
$\begin{array}{r} 8 \\ + \\ 1 \end{array}$	$\begin{array}{r} 5 \\ + \\ 1 \end{array}$
$2 \times 2 = 4$	$5 \times 1 = 5$
$\begin{array}{r} 2 \\ \times \\ 1 \end{array}$	$\begin{array}{r} 5 \\ \times \\ 1 \end{array}$
$0 + 2 = 2$	$1 + 3 = 4$
$\begin{array}{r} 0 \\ + \\ 2 \end{array}$	$\begin{array}{r} 1 \\ + \\ 3 \end{array}$
$9 - 7 = 2$	$6 + 1 = 7$
$\begin{array}{r} 9 \\ - \\ 7 \end{array}$	$\begin{array}{r} 6 \\ + \\ 1 \end{array}$
$2 \times 6 = 12$	$2 \times 2 = 4$
$\begin{array}{r} 2 \\ \times \\ 6 \end{array}$	$\begin{array}{r} 2 \\ \times \\ 2 \end{array}$
$8 - 6 = 2$	$1 + 3 = 4$
$\begin{array}{r} 8 \\ - \\ 6 \end{array}$	$\begin{array}{r} 1 \\ + \\ 3 \end{array}$

N°18

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

N°19

$6 + 1 = 7$	$7 - 2 = 5$
$\begin{array}{r} 6 \\ + \\ 1 \end{array}$	$\begin{array}{r} 7 \\ - \\ 2 \end{array}$
$2 \times 5 = 10$	$8 \div 1 = 8$
$\begin{array}{r} 2 \\ \times \\ 5 \end{array}$	$\begin{array}{r} 8 \\ \div \\ 1 \end{array}$
$2 - 0 = 2$	$6 - 3 = 3$
$\begin{array}{r} 2 \\ - \\ 0 \end{array}$	$\begin{array}{r} 6 \\ - \\ 3 \end{array}$
$6 - 3 = 3$	$2 + 1 = 3$
$\begin{array}{r} 6 \\ - \\ 3 \end{array}$	$\begin{array}{r} 2 \\ + \\ 1 \end{array}$
$2 \times 7 = 14$	$8 \div 1 = 8$
$\begin{array}{r} 2 \\ \times \\ 7 \end{array}$	$\begin{array}{r} 8 \\ \div \\ 1 \end{array}$
$2 - 2 = 0$	$2 - 1 = 1$
$\begin{array}{r} 2 \\ - \\ 2 \end{array}$	$\begin{array}{r} 2 \\ - \\ 1 \end{array}$

N°20

$7 - 4 = 3$	$4 + 0 = 4$
$\begin{array}{r} 7 \\ - \\ 4 \end{array}$	$\begin{array}{r} 4 \\ + \\ 0 \end{array}$
$2 \times 8 = 16$	$8 \div 1 = 8$
$\begin{array}{r} 2 \\ \times \\ 8 \end{array}$	$\begin{array}{r} 8 \\ \div \\ 1 \end{array}$
$4 - 3 = 1$	$1 + 1 = 2$
$\begin{array}{r} 4 \\ - \\ 3 \end{array}$	$\begin{array}{r} 1 \\ + \\ 1 \end{array}$
$2 + 4 = 6$	$2 + 2 = 4$
$\begin{array}{r} 2 \\ + \\ 4 \end{array}$	$\begin{array}{r} 2 \\ + \\ 2 \end{array}$
$6 \times 2 = 12$	$8 \div 1 = 8$
$\begin{array}{r} 6 \\ \times \\ 2 \end{array}$	$\begin{array}{r} 8 \\ \div \\ 1 \end{array}$
$2 - 0 = 2$	$4 - 2 = 2$
$\begin{array}{r} 2 \\ - \\ 0 \end{array}$	$\begin{array}{r} 4 \\ - \\ 2 \end{array}$

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) ...

$\overset{(8)}{1} + 1 = \overset{(6)}{2}$	$\overset{(2)}{6} - 2 = 4$
$\overset{(9)}{9} \times \overset{(5)}{7} = 3$	$\overset{(3)}{2} \times 6 = \overset{(1)}{2}$
$\overset{(10)}{0} + \overset{(7)}{4} = 4$	$\overset{(4)}{4} - \overset{(18)}{0} = 4$
0	1
$\overset{(12)}{9} - \overset{(11)}{4} = 5$	$\overset{(17)}{4} + \overset{(19)}{1} = \overset{(20)}{5}$
$\overset{(13)}{8} \times \overset{(15)}{9} = 3$	$\overset{(16)}{2} \times \overset{(23)}{9} = 1$
$\overset{(14)}{2} + 2 = 4$	$\overset{(21)}{4} + 0 = \overset{(22)}{4}$