

Nom :

garam 1-2

Date :

N°1

$$\begin{array}{r} - 6 = \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 + 4 = \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} - 3 = \\ - 0 = \\ \hline \end{array}$$

$$\begin{array}{r} 4 = \\ + 1 = \\ \hline \end{array}$$

N°2

$$\begin{array}{r} + 1 = \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} + 3 = \\ + 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} 6 = \\ 1 + = \\ \hline \end{array}$$

N°3

$$\begin{array}{r} + 0 = \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} - 4 = \\ + 2 = \\ \hline \end{array}$$

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

$$\begin{array}{r} 4 = \\ 2 + = \\ \hline \end{array}$$

N°4

$$\begin{array}{r} + 1 = \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} + 1 = \\ + 5 = \\ \hline \end{array}$$

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

$$\begin{array}{r} 1 = \\ 7 + = \\ \hline \end{array}$$

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N°5

$$\begin{array}{r} +3= \\ \times 3 \\ \hline =1 \\ + - =4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} +0= \\ \times 3 \\ \hline =1 \\ - =5 \\ \hline 1 \end{array}$$

$$\begin{array}{r} + =3 \\ + \\ \hline =1 \\ +1= \end{array}$$

$$\begin{array}{r} 9- =3 \\ + \\ \hline =1 \\ +7= \end{array}$$

N°6

$$\begin{array}{r} -0= \\ +5 \\ \hline =1 \\ + - =5 \\ \hline 3 \end{array}$$

$$\begin{array}{r} +4= \\ +1 \\ \hline =1 \\ 1- + = \\ \hline 7 \end{array}$$

$$\begin{array}{r} - =3 \\ +6 \\ \hline =1 \\ +1= \end{array}$$

$$\begin{array}{r} - =2 \\ -4=3 \\ \hline =1 \\ -6= \end{array}$$

N°7

$$\begin{array}{r} -7= \\ \times 3 \\ \hline =1 \\ - =0 \\ \hline 1 \end{array}$$

$$\begin{array}{r} +2= \\ +0=9 \\ \hline =1 \\ 1+ - = \\ \hline 1 \end{array}$$

$$\begin{array}{r} - =1 \\ \times 3 \\ \hline =1 \\ -8= \end{array}$$

$$\begin{array}{r} - =3 \\ \times \\ \hline = \\ + = \end{array}$$

N°8

$$\begin{array}{r} +1= \\ +8 \\ \hline =1 \\ + =4 \\ \hline 2 \end{array}$$

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

$$\begin{array}{r} +2=6 \\ \times 3 \\ \hline =1 \\ +1= \\ \hline \end{array}$$

$$\begin{array}{r} - =3 \\ - =9 \\ \hline =9 \\ +4= \end{array}$$

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N°9

$$\begin{array}{r} + \\ 8 \\ \hline 1 \end{array} \quad \begin{array}{r} + \\ = \\ \times \\ = \\ - \\ \hline 2 \end{array}$$

$$\begin{array}{r} - \\ 2 \\ = \\ + \\ 1 \\ \hline 1 \end{array} \quad \begin{array}{r} - \\ 2 = \\ + \\ 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} - \\ 2 = \\ 5 \\ \times \\ = \\ 1 \end{array} \quad \begin{array}{r} + \\ 2 = \\ + \\ 0 = \end{array}$$

$$\begin{array}{r} 3 + \\ \times \\ = \\ - \\ 1 = \\ \hline 0 \end{array} \quad \begin{array}{r} 3 + \\ \times \\ = \\ + \\ 4 \\ \hline 1 \end{array}$$

N°10

$$\begin{array}{r} - \\ 6 = \\ 3 \\ \times \\ = \\ 1 \end{array} \quad \begin{array}{r} + \\ 0 = \\ + \\ 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} + \\ = \\ + \\ 4 \\ \hline 1 \end{array} \quad \begin{array}{r} + \\ 2 = \\ + \\ 5 = \\ \hline 1 \end{array}$$

$$\begin{array}{r} + \\ 0 = \\ + \\ 1 \\ \hline 1 \end{array} \quad \begin{array}{r} 3 + 0 = \\ + \\ 1 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 9 - \\ + \\ = \\ 3 \\ \times \\ = \\ 1 \end{array} \quad \begin{array}{r} - \\ 4 = \\ - \\ 4 \\ \hline 0 \end{array}$$

N°11

$$\begin{array}{r} + 1 = \\ + \\ = \\ 1 \end{array} \quad \begin{array}{r} - 4 = \\ - \\ = \\ 1 \end{array}$$

$$\begin{array}{r} - 5 = \\ \times \\ = \\ 1 \end{array} \quad \begin{array}{r} + \\ 2 \\ = \\ 3 \\ + \\ 3 \\ \hline 0 \end{array}$$

$$\begin{array}{r} + \\ = \\ \hline 1 \end{array} \quad \begin{array}{r} + 1 = \\ - 0 = \\ = \\ 1 \end{array}$$

$$\begin{array}{r} 3 + \\ + \\ = \\ 1 \end{array} \quad \begin{array}{r} + 4 = \\ - \\ = \\ 4 \end{array}$$

N°12

$$\begin{array}{r} + 4 = \\ + \\ = \\ 1 \end{array} \quad \begin{array}{r} + 5 = \\ + \\ = \\ 1 \end{array}$$

$$\begin{array}{r} + 5 = \\ + \\ = \\ 1 \end{array} \quad \begin{array}{r} 0 + \\ - \\ = \\ 4 \end{array}$$

$$\begin{array}{r} \times \\ 3 \\ = \\ 1 \end{array} \quad \begin{array}{r} + \\ = \\ 1 \end{array}$$

$$\begin{array}{r} - \\ 3 = \\ 3 \\ \times \\ = \\ 1 \end{array} \quad \begin{array}{r} + \\ 9 = \\ + \\ 1 = \\ \hline 1 \end{array}$$

$$5 - 2 =$$

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N°13

$$\begin{array}{r} -4= \\ + \\ \hline 1 \\ - \\ =1 \end{array}$$

$$\begin{array}{r} 8-3= \\ + \\ \hline 1 \\ - \\ = \end{array}$$

$$\begin{array}{r} 4= \\ + \\ \hline 1 \\ + \\ =9 \end{array}$$

$$\begin{array}{r} 0= \\ + \\ \hline 1 \\ 3+ \\ = \\ -1= \end{array}$$

N°14

$$\begin{array}{r} +3= \\ \times \\ \hline 1 \\ - \\ =6 \end{array}$$

$$\begin{array}{r} -6=3 \\ + \\ \hline 1 \\ 3- \\ = \\ 2 \end{array}$$

$$\begin{array}{r} 3= \\ - \\ \hline 1 \\ + \\ =3 \end{array}$$

$$\begin{array}{r} 6- \\ + \\ \hline 1 \\ -5= \\ +8= \end{array}$$

N°15

$$\begin{array}{r} -6=3 \\ \times \\ \hline 1 \\ + \\ = \\ 4 \end{array}$$

$$\begin{array}{r} +1= \\ + \\ \hline 1 \\ 1+ \\ - \\ = \\ 4 \end{array}$$

$$\begin{array}{r} - \\ + \\ \hline 1 \\ + \\ =3 \\ = \\ 1 \\ +1= \end{array}$$

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

N°16

$$\begin{array}{r} +1= \\ \times \\ \hline 1 \\ - \\ =1 \\ 3 \end{array}$$

$$\begin{array}{r} -6= \\ + \\ \hline 1 \\ +4= \\ - \\ =0 \\ 6 \end{array}$$

$$\begin{array}{r} +9= \\ + \\ \hline 1 \\ -5= \\ - \\ = \\ 5 \end{array}$$

$$\begin{array}{r} 3- \\ \times \\ \hline 1 \\ +4= \\ -4= \\ - \\ = \\ 4 \end{array}$$

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N°17

$$\begin{array}{|c|c|} \hline -3 & + \\ \hline \times & + \\ \hline 4 & 1 \\ \hline = & \\ \hline - & =0 \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline +1 & + \\ \hline + & + \\ \hline 1 & 4 \\ \hline = & \\ \hline 5 & 1 \\ \hline - & = \\ \hline 0 & \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline - & = \\ \hline - & =8 \\ \hline + & \times \\ \hline 9 & 4 \\ \hline = & \\ \hline -6 & \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline 4 & - \\ \hline \times & = \\ \hline 4 & 8 \\ \hline = & \\ \hline -6 & \\ \hline \end{array}$$

N°18

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

N°19

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

N°20

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

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Règles

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

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