

7 = . x 7
7 = 1 x 7
7 = 7 x 1
7 = 3 x 7
7 = 7 x 1
7 = 0 x 7
7 = 7 x 1
7 = 7 x 1
7 = 1 x 7
7 = 11 x 1
7 = 17 x 1

. = . x o
o = l x o
l . = f x o
l o = l' x o
f . = e x o
f o = o x o
l' . = g x o
l' o = v x o
e . = h x o
e o = q x o
o . = l x o
oo = ll x o
l . = l f x o

- . = . x Σ
- Σ = | x Σ
- Λ = Γ x Σ
- |Γ = ³ x Σ
- |Γ = Σ x Σ
- Γ. = o x Σ
- ΓΣ = Γ x Σ
- ΓΛ = V x Σ
- ³Γ = Λ x Σ
- ³Γ = Σ x Σ
- Σ. = |. x Σ
- ΣΣ = || x Σ
- ΣΛ = |Γ x Σ

$$\begin{aligned}
 . &= . \times \Gamma \\
 \Gamma &= ! \times \Gamma \\
 \varepsilon &= \Gamma \times \Gamma \\
 \gamma &= ? \times \Gamma \\
 \Lambda &= \varepsilon \times \Gamma \\
 !. &= o \times \Gamma \\
 !\Gamma &= \gamma \times \Gamma \\
 !\varepsilon &= V \times \Gamma \\
 !\gamma &= \Lambda \times \Gamma \\
 !\Lambda &= q \times \Gamma \\
 \Gamma_. &= !. \times \Gamma \\
 \Gamma\Gamma &= !! \times \Gamma \\
 \Gamma\varepsilon &= !\Gamma \times \Gamma
 \end{aligned}$$

$$\begin{aligned} \cdot &= \cdot x | \\ | &= | x | \\ \Gamma &= \Gamma x | \\ \exists &= \exists x | \\ \varepsilon &= \varepsilon x | \\ o &= o x | \\ \gamma &= \gamma x | \\ V &= V x | \\ \wedge &= \wedge x | \\ \exists &= \exists x | \\ | . &= | . x | \\ || &= || x | \\ |\Gamma &= |\Gamma x | \end{aligned}$$

جدول الضرب

$$\begin{aligned}
 . &= . \times 1\Gamma \\
 1\Gamma &= 1 \times 1\Gamma \\
 1\Sigma &= 1 \times 1\Sigma \\
 1\Pi &= 1 \times 1\Pi \\
 3\Sigma &= 3 \times 1\Sigma \\
 3\Pi &= 3 \times 1\Pi \\
 1\Delta &= 0 \times 1\Delta \\
 1\Gamma &= 1 \times 1\Gamma \\
 1\Sigma &= 1 \times 1\Sigma \\
 1\Pi &= 1 \times 1\Pi \\
 1\Delta &= 1 \times 1\Delta \\
 1\Gamma &= 1 \times 1\Gamma \\
 1\Sigma &= 1 \times 1\Sigma \\
 1\Pi &= 1 \times 1\Pi \\
 1\Delta &= 1 \times 1\Delta
 \end{aligned}$$

- .. = . x ||
- || = | x ||
- ||| = | | x ||
- ''' = |'' x ||
- ||| = | | x ||
- oo = o x ||
- ||| = | | x ||
- VV = V x ||
- ||| = | | x ||
- 99 = 9 x ||
- ||. = |. x ||
- ||| = || | x ||
- ||| = | | x ||

- $\cdot = \cdot x \cdot$
- $\mid = \mid x \cdot$
- $\Gamma = \Gamma x \cdot$
- $\exists = \exists x \cdot$
- $\forall = \forall x \cdot$
- $\circ = \circ x \cdot$
- $\neg = \neg x \cdot$
- $V = V x \cdot$
- $\wedge = \wedge x \cdot$
- $\exists = \exists x \cdot$
- $\mid \mid = \mid \mid x \cdot$
- $\mid \Gamma = \mid \Gamma x \cdot$

$$\begin{aligned}
 . &= . \times 9 \\
 9 &= 1 \times 9 \\
 18 &= 2 \times 9 \\
 27 &= 3 \times 9 \\
 36 &= 4 \times 9 \\
 45 &= 5 \times 9 \\
 54 &= 6 \times 9 \\
 63 &= 7 \times 9 \\
 72 &= 8 \times 9 \\
 81 &= 9 \times 9 \\
 9. &= 1 \times 9 \\
 99 &= 11 \times 9 \\
 1.8 &= 12 \times 9
 \end{aligned}$$

. = . x Λ
Λ = I x Λ
I Γ = Γ x Λ
Γ ε = ε x Λ
ε Γ = ε x Λ
ε . = o x Λ
ε Λ = ε x Λ
o Γ = V x Λ
Γ ε = Λ x Λ
V Γ = ι x Λ
Λ . = I . x Λ
Λ Λ = I I x Λ
Γ Λ = I Γ x Λ

. = . x V
V = I x V
IΣ = Γ x V
ΓI = ³ x V
ΓΛ = Σ x V
³o = o x V
ΣΓ = 7 x V
Σq = V x V
o7 = Λ x V
7³ = 9 x V
V. = I. x V
VV = II x V
ΛΣ = IΓ x V

?

X

=

X

X

=

TIMES TABLES

X

?

X

=

1

$$\begin{aligned}1 \times 0 &= 0 \\1 \times 1 &= 1 \\1 \times 2 &= 2 \\1 \times 3 &= 3 \\1 \times 4 &= 4 \\1 \times 5 &= 5 \\1 \times 6 &= 6 \\1 \times 7 &= 7 \\1 \times 8 &= 8 \\1 \times 9 &= 9 \\1 \times 10 &= 10 \\1 \times 11 &= 11 \\1 \times 12 &= 12\end{aligned}$$

2

$$\begin{aligned}2 \times 0 &= 0 \\2 \times 1 &= 2 \\2 \times 2 &= 4 \\2 \times 3 &= 6 \\2 \times 4 &= 8 \\2 \times 5 &= 10 \\2 \times 6 &= 12 \\2 \times 7 &= 14 \\2 \times 8 &= 16 \\2 \times 9 &= 18 \\2 \times 10 &= 20 \\2 \times 11 &= 22 \\2 \times 12 &= 24\end{aligned}$$

3

$$\begin{aligned}3 \times 0 &= 0 \\3 \times 1 &= 3 \\3 \times 2 &= 6 \\3 \times 3 &= 9 \\3 \times 4 &= 12 \\3 \times 5 &= 15 \\3 \times 6 &= 18 \\3 \times 7 &= 21 \\3 \times 8 &= 24 \\3 \times 9 &= 27 \\3 \times 10 &= 30 \\3 \times 11 &= 33 \\3 \times 12 &= 36\end{aligned}$$

4

$$\begin{aligned}4 \times 0 &= 0 \\4 \times 1 &= 4 \\4 \times 2 &= 8 \\4 \times 3 &= 12 \\4 \times 4 &= 16 \\4 \times 5 &= 20 \\4 \times 6 &= 24 \\4 \times 7 &= 28 \\4 \times 8 &= 32 \\4 \times 9 &= 36 \\4 \times 10 &= 40 \\4 \times 11 &= 44 \\4 \times 12 &= 48\end{aligned}$$

5

$$\begin{aligned}5 \times 0 &= 0 \\5 \times 1 &= 5 \\5 \times 2 &= 10 \\5 \times 3 &= 15 \\5 \times 4 &= 20 \\5 \times 5 &= 25 \\5 \times 6 &= 30 \\5 \times 7 &= 35 \\5 \times 8 &= 40 \\5 \times 9 &= 45 \\5 \times 10 &= 50 \\5 \times 11 &= 55 \\5 \times 12 &= 60\end{aligned}$$

6

$$\begin{aligned}6 \times 0 &= 0 \\6 \times 1 &= 6 \\6 \times 2 &= 12 \\6 \times 3 &= 18 \\6 \times 4 &= 24 \\6 \times 5 &= 30 \\6 \times 6 &= 36 \\6 \times 7 &= 42 \\6 \times 8 &= 48 \\6 \times 9 &= 54 \\6 \times 10 &= 60 \\6 \times 11 &= 66 \\6 \times 12 &= 72\end{aligned}$$

7

$$\begin{aligned}7 \times 0 &= 0 \\7 \times 1 &= 7 \\7 \times 2 &= 14 \\7 \times 3 &= 21 \\7 \times 4 &= 28 \\7 \times 5 &= 35 \\7 \times 6 &= 42 \\7 \times 7 &= 49 \\7 \times 8 &= 56 \\7 \times 9 &= 63 \\7 \times 10 &= 70 \\7 \times 11 &= 77 \\7 \times 12 &= 84\end{aligned}$$

8

$$\begin{aligned}8 \times 0 &= 0 \\8 \times 1 &= 8 \\8 \times 2 &= 16 \\8 \times 3 &= 24 \\8 \times 4 &= 32 \\8 \times 5 &= 40 \\8 \times 6 &= 48 \\8 \times 7 &= 56 \\8 \times 8 &= 64 \\8 \times 9 &= 72 \\8 \times 10 &= 80 \\8 \times 11 &= 88 \\8 \times 12 &= 96\end{aligned}$$

9

$$\begin{aligned}9 \times 0 &= 0 \\9 \times 1 &= 9 \\9 \times 2 &= 18 \\9 \times 3 &= 27 \\9 \times 4 &= 36 \\9 \times 5 &= 45 \\9 \times 6 &= 54 \\9 \times 7 &= 63 \\9 \times 8 &= 72 \\9 \times 9 &= 81 \\9 \times 10 &= 90 \\9 \times 11 &= 99 \\9 \times 12 &= 108\end{aligned}$$

10

$$\begin{aligned}10 \times 0 &= 0 \\10 \times 1 &= 10 \\10 \times 2 &= 20 \\10 \times 3 &= 30 \\10 \times 4 &= 40 \\10 \times 5 &= 50 \\10 \times 6 &= 60 \\10 \times 7 &= 70 \\10 \times 8 &= 80 \\10 \times 9 &= 90 \\10 \times 10 &= 100 \\10 \times 11 &= 110 \\10 \times 12 &= 120\end{aligned}$$

11

$$\begin{aligned}11 \times 0 &= 0 \\11 \times 1 &= 11 \\11 \times 2 &= 22 \\11 \times 3 &= 33 \\11 \times 4 &= 44 \\11 \times 5 &= 55 \\11 \times 6 &= 66 \\11 \times 7 &= 77 \\11 \times 8 &= 88 \\11 \times 9 &= 99 \\11 \times 10 &= 110 \\11 \times 11 &= 121 \\11 \times 12 &= 132\end{aligned}$$

12

$$\begin{aligned}12 \times 0 &= 0 \\12 \times 1 &= 12 \\12 \times 2 &= 24 \\12 \times 3 &= 36 \\12 \times 4 &= 48 \\12 \times 5 &= 60 \\12 \times 6 &= 72 \\12 \times 7 &= 84 \\12 \times 8 &= 96 \\12 \times 9 &= 108 \\12 \times 10 &= 120 \\12 \times 11 &= 132 \\12 \times 12 &= 144\end{aligned}$$