

# TIMES TABLE REFERENCE MAT

## 1 ×

$1 \times 1 = 1$   
 $2 \times 1 = 2$   
 $3 \times 1 = 3$   
 $4 \times 1 = 4$   
 $5 \times 1 = 5$   
 $6 \times 1 = 6$   
 $7 \times 1 = 7$   
 $8 \times 1 = 8$   
 $9 \times 1 = 9$   
 $10 \times 1 = 10$   
 $11 \times 1 = 11$   
 $12 \times 1 = 12$

## 2 ×

$1 \times 2 = 2$   
 $2 \times 2 = 4$   
 $3 \times 2 = 6$   
 $4 \times 2 = 8$   
 $5 \times 2 = 10$   
 $6 \times 2 = 12$   
 $7 \times 2 = 14$   
 $8 \times 2 = 16$   
 $9 \times 2 = 18$   
 $10 \times 2 = 20$   
 $11 \times 2 = 22$   
 $12 \times 2 = 24$

## 3 ×

$1 \times 3 = 3$   
 $2 \times 3 = 6$   
 $3 \times 3 = 9$   
 $4 \times 3 = 12$   
 $5 \times 3 = 15$   
 $6 \times 3 = 18$   
 $7 \times 3 = 21$   
 $8 \times 3 = 24$   
 $9 \times 3 = 27$   
 $10 \times 3 = 30$   
 $11 \times 3 = 33$   
 $12 \times 3 = 36$

## 4 ×

$1 \times 4 = 4$   
 $2 \times 4 = 8$   
 $3 \times 4 = 12$   
 $4 \times 4 = 16$   
 $5 \times 4 = 20$   
 $6 \times 4 = 24$   
 $7 \times 4 = 28$   
 $8 \times 4 = 32$   
 $9 \times 4 = 36$   
 $10 \times 4 = 40$   
 $11 \times 4 = 44$   
 $12 \times 4 = 48$

## 5 ×

$1 \times 5 = 5$   
 $2 \times 5 = 10$   
 $3 \times 5 = 15$   
 $4 \times 5 = 20$   
 $5 \times 5 = 25$   
 $6 \times 5 = 30$   
 $7 \times 5 = 35$   
 $8 \times 5 = 40$   
 $9 \times 5 = 45$   
 $10 \times 5 = 50$   
 $11 \times 5 = 55$   
 $12 \times 5 = 60$

## 6 ×

$1 \times 6 = 6$   
 $2 \times 6 = 12$   
 $3 \times 6 = 18$   
 $4 \times 6 = 24$   
 $5 \times 6 = 30$   
 $6 \times 6 = 36$   
 $7 \times 6 = 42$   
 $8 \times 6 = 48$   
 $9 \times 6 = 54$   
 $10 \times 6 = 60$   
 $11 \times 6 = 66$   
 $12 \times 6 = 72$

## 7 ×

$1 \times 7 = 7$   
 $2 \times 7 = 14$   
 $3 \times 7 = 21$   
 $4 \times 7 = 28$   
 $5 \times 7 = 35$   
 $6 \times 7 = 42$   
 $7 \times 7 = 49$   
 $8 \times 7 = 56$   
 $9 \times 7 = 63$   
 $10 \times 7 = 70$   
 $11 \times 7 = 77$   
 $12 \times 7 = 84$

## 8 ×

$1 \times 8 = 8$   
 $2 \times 8 = 16$   
 $3 \times 8 = 24$   
 $4 \times 8 = 32$   
 $5 \times 8 = 40$   
 $6 \times 8 = 48$   
 $7 \times 8 = 56$   
 $8 \times 8 = 64$   
 $9 \times 8 = 72$   
 $10 \times 8 = 80$   
 $11 \times 8 = 88$   
 $12 \times 8 = 96$

## 9 ×

$1 \times 9 = 9$   
 $2 \times 9 = 18$   
 $3 \times 9 = 27$   
 $4 \times 9 = 36$   
 $5 \times 9 = 45$   
 $6 \times 9 = 54$   
 $7 \times 9 = 63$   
 $8 \times 9 = 72$   
 $9 \times 9 = 81$   
 $10 \times 9 = 90$   
 $11 \times 9 = 99$   
 $12 \times 9 = 108$

## 10 ×

$1 \times 10 = 10$   
 $2 \times 10 = 20$   
 $3 \times 10 = 30$   
 $4 \times 10 = 40$   
 $5 \times 10 = 50$   
 $6 \times 10 = 60$   
 $7 \times 10 = 70$   
 $8 \times 10 = 80$   
 $9 \times 10 = 90$   
 $10 \times 10 = 100$   
 $11 \times 10 = 110$   
 $12 \times 10 = 120$

## 11 ×

$1 \times 11 = 11$   
 $2 \times 11 = 22$   
 $3 \times 11 = 33$   
 $4 \times 11 = 44$   
 $5 \times 11 = 55$   
 $6 \times 11 = 66$   
 $7 \times 11 = 77$   
 $8 \times 11 = 88$   
 $9 \times 11 = 99$   
 $10 \times 11 = 110$   
 $11 \times 11 = 121$   
 $12 \times 11 = 132$

## 12 ×

$1 \times 12 = 12$   
 $2 \times 12 = 24$   
 $3 \times 12 = 36$   
 $4 \times 12 = 48$   
 $5 \times 12 = 60$   
 $6 \times 12 = 72$   
 $7 \times 12 = 84$   
 $8 \times 12 = 96$   
 $9 \times 12 = 108$   
 $10 \times 12 = 120$   
 $11 \times 12 = 132$   
 $12 \times 12 = 144$



## MY PRACTICE

Use counters, drawings or numbers.



## KEY FACTS

- ★ Commutative:  $a \times b = b \times a$
- ★ Identity:  $a \times 1 = a$
- ★ Zero:  $a \times 0 = 0$
- ★ Make 10: use  $\times 10$  facts
- ★ Square numbers:  $n \times n$



## MULTIPLICATION STRATEGIES

- Use known facts.
- Use commutativity.
- Break numbers into parts.
- Use place value ( $\times 10$ ,  $\times 100$ ).
- Look for patterns.



## REAL LIFE EXAMPLES

Arrays: \_\_\_\_\_  
 Groups of: \_\_\_\_\_  
 Equal sharing: \_\_\_\_\_  
 Scaling up: \_\_\_\_\_



## MY TIMES TABLE GOALS

I am working on: \_\_\_\_\_

My next goal: \_\_\_\_\_

Date: \_\_\_\_\_

## CONFIDENCE CHECK



Got it!



Getting there



Need more practice