



## PARENT PROMPT MULTIPLICATION TABLES

Children are introduced to multiplication tables in the First Level. They are first introduced to the 2, 3, 4, 5 and 10 times tables. The children develop the vocabulary used in multiplication, for example:

"Multiplied by"

"times"

"lots of"

They should learn to be able to recall table facts quickly and therefore frequent practice is required. Once children are familiar with the table facts they are introduced to a written algorithm (sum) and learn to complete word problems based on multiplication.

### Examples of written calculations

#### No carrying

T	U	
3	1	Start at the units column.
x	3	3 times 1 unit is 3 units.
	3	Record this 3 in the units column.

T	U	
3	1	Multiply the tens. 3 times 3 tens is 9 tens.
x	3	Record this 9 in the tens column.
9	3	The answer is 9 tens and 3 units or 93.

#### With carrying

T	U	
2	3	Start at the units column.
x	4	4 times 3 units is 12 units.
	2	Write 2 in the units column and carry 1 ten.
1		



T	U	
2	3	Multiply the tens. 4 times 2 tens is 8 tens.
x	4	8 tens add 1 ten is 9 tens.
9	2	Record this 9 in the tens column.
1		The answer is 9 tens and 4 units or 94.

## Example using hundreds, tens and units

H	T	U	
1	4	3	Start at the units. 6 times 3 units is 18 units.
	x	6	Write 8 in the units column and carry 1 ten.
		8	
	1		

H	T	U	
1	4	3	Multiply the tens. 6 times 4 tens is 24 tens. Add on 1
	x	6	ten carried. Write 5 in the tens column and carry 2
		5	hundreds.
2	1		

H	T	U	
1	4	3	Multiply the hundreds. 6 times 1 hundred is 6
	x	6	hundreds. Add on 2 hundreds carried.
		8	Write 8 in the hundreds column.
2	1		The answer is 8 hundreds, 5 tens and 8 units or 858.

## Example using decimals

The process remains the same even if we are using decimals.

T	U	. Tths	Hths	
2	.	4	3	Start at the hundredths column.
		x	9	9 times 3 hundredths is 27 hundredths. Write
			7	7 in the hundredths column and carry 2 tenths.
	.			
	2			

# Shawhead Primary School



$$\begin{array}{r} \text{T} \quad \text{U} \quad . \quad \text{Tths} \quad \text{Hths} \\ 2 \quad . \quad 4 \quad 3 \\ \times \quad 9 \\ \hline . \quad 8 \quad 7 \\ \hline 3 \quad 2 \end{array}$$

9 times 4 tenths is 36 tenths. Add on 2 tenths carried. Write 8 in the tenths column and carry 3 units.

$$\begin{array}{r} \text{T} \quad \text{U} \quad . \quad \text{Tths} \quad \text{Hths} \\ 2 \quad . \quad 4 \quad 3 \\ \times \quad 9 \\ \hline 2 \quad 1 \quad . \quad 8 \quad 7 \\ \hline 3 \quad 2 \end{array}$$

9 times 2 units is 18 units. Add on 3 units carried. Write 1 in the units column and write 2 tens in the tens column. The answer is 2 tens, 1 unit, 8 tenths and 7 hundredths or 21.87.