Times Table Square!

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Use this times table square to revise your tables, explore patterns or check your answers.

Lancaster Lane School

At Lancaster Lane School, we believe that times tables are a vital skill, which offer a foundation for learning other aspects of mathematics. Learning the times tables is a brilliant way of helping your child and it really can make a huge difference. Regular practice of times tables is essential in ensuring that they are embedded in the children's long term memory.

	New curriculum Expectations for each year group
Year 1	**Objectives: Recall and use doubles of all numbers to 10 and corresponding halves.** Count in multiples of 2,5 and 10.
Year 2	**Objectives: Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.** Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
Year 3	**Objective: Understand that division is the inverse of multiplication and vice versa, Derive and use doubles of all multiples of 50 to 500, Count from 0 in multiples of 4, 8, 50 and 100** Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
Year 4	**Objective: Count in multiples of 6, 7, 9, 25 and 1000**. Recall multiplication and division facts for multiplication tables up to 12 × 12.
Year 5	**Objective: Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers., Establish whether a number up to 100 is prime and recall prime numbers up to 19, Recognise and use square (2) and cube (3) numbers, and notation.** Revision of all times tables and division facts up to 12 x 12.
Year 6	**Objective: Use known facts and place value to multiply and divide mentally. Use relationship between multiplication and division.** Revision of all times tables and division facts up to 12 x 12.

A Trick for Six

Six times tables can be tricky to learn. One helpful trick is that in the 6 times tables, when you multiply the first 4 even numbers by 6, they both end in the same digit.

2 x 6 = 12 4 x 6 = 24

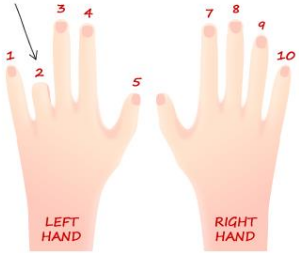
6 x 6 = 36 8 x 6 = 48

Pattern Spotting!

Being able to spot patterns in numbers is an important skill and can also help with learning tables. Children can investigate these multiplication rules:

- **Odd number x odd number = odd number (E.g. 3 x 5 = 15)**
- **Even number x even number = even number (E.g. 4 x 6 = 24)**
- **Odd number x even number = even number (E.g. 3 x 6 = 18)**

9 x table on your fingers



Hold your hands in front of you with your fingers spread out.

For 9 x 2 bend your 2nd finger down (like the picture).

You have 1 finger in front of the bent finger and 8 after the bent finger.

The answer must be 18!

The technique works for the 9 times table up to 10.

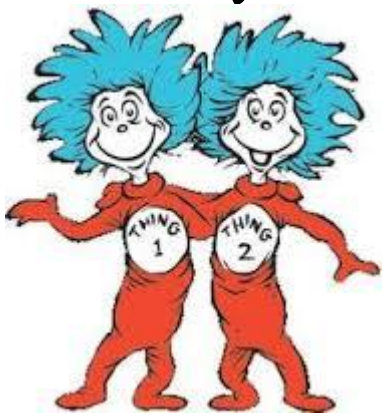
Multiplication Snap!

You will need a deck of cards for this game!

1. Flip over the cards as though you are playing Snap.
2. The first one to say the fact based on the cards turned over (five and an eight = Say "40") gets the cards.

The person to get all of the cards wins!

Double, Double!



A quick trick for learning the **fours** is just to double, double.

Double the number and then double it again.

Sing your tables!

Singing tables can be a really good way for the children to learn. Most book shops and toy shops will have CDs of times tables songs that the children can sing along to, or you could always make up your own to a known tune!

Games are a great ways to learn times tables

http://resources.woodlands-junior.kent.sch.uk/maths/timestable/index.html

http://www.bbc.co.uk/skillswise/game/ma13tabl-game-tables-grid-find

http://www.topmarks.co.uk/maths-games/7-11-years/times-tables

(Lancaster Lane School is not responsible for the content on external sites.)

Don't forget Mathletics

http://uk.mathletics.com/

The children love playing this one at school.

This game will need 2 players!

Make a grid of six squares on a piece of paper (like Tic Tac Toe) and ask your child to write a number in each square from the target tables. Give them a question and if they have the answer, they mark it off.

First one to mark off all their numbers is the winner and shouts **Bingo !**

Time challenges can be a really good way of helping times tables became automatic. Use a timer to measure the time it takes to write the target table, then try to beat that time. Have a race against other people. Who can write the times table the quickest.

Speed Tables