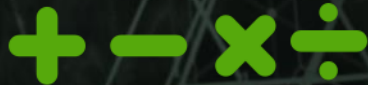
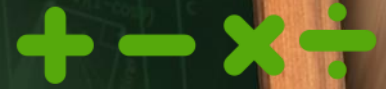


Learning times tables

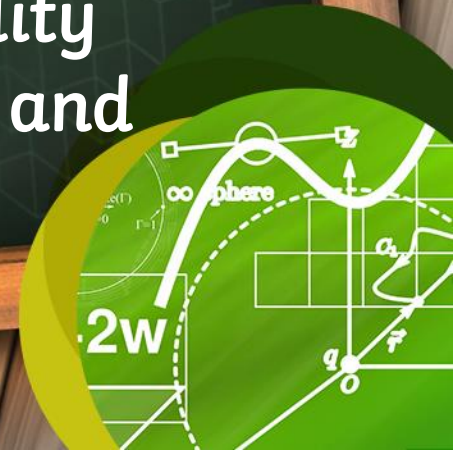
Information for parents and carers.



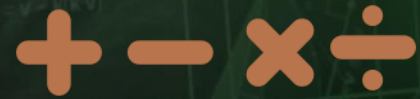
NC statement:



The national curriculum for mathematics aims to ensure that all pupils become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.



Why do we need to learn multiplication tables?



Times tables are fundamental to support children and underpin everything within Maths. It is vital that all children know their multiplication facts up to 12×12 .

Creating familiarity in the pivotal early stages of a child's academic life will help promote enjoyment of Maths.

Knowing the multiplication facts up to 12×12 , will give them the essential knowledge needed to be proficient with the Years 5 and 6 Curriculum.

National expectations:



Year 3	Recall and use multiplication and division facts for the 3, 4 and 8 times tables.
Year 4	Recall and use multiplication and division facts for tables up to 12×12
Year 5	Revision of the times tables and division facts up to 12×12 . Apply to problem solving.
Year 6	Revision of the times tables and division facts up to 12×12 . Apply to problem solving and a range of greater depth questions.

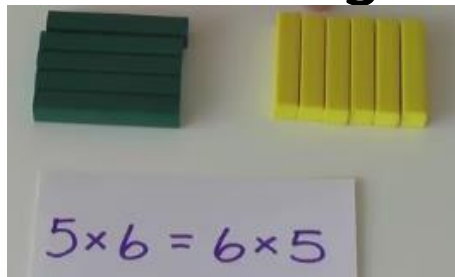
What do we do...

AT LFJS, teachers use a variety of strategies to support children with learning their tables.

Beginning with concrete resources children use a variety of these to learn tables using arrays (repeated addition).

This will include using Numicon 

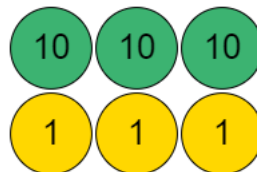
Cuisenaire



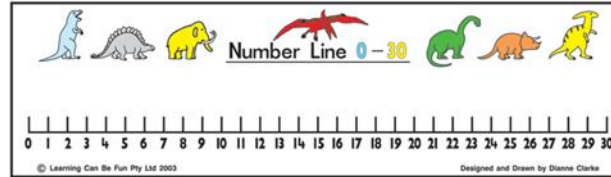
Dienes blocks



Place Value counters



How do we teach - CPA approach



$+$ $-$ \times \div

I hear and I forget. I see and I remember. I do and I understand.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Concrete

Pictorial

Abstract



C

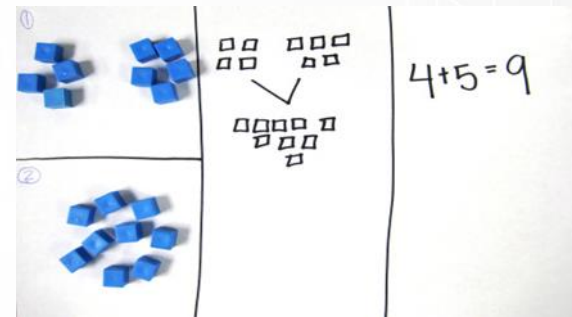
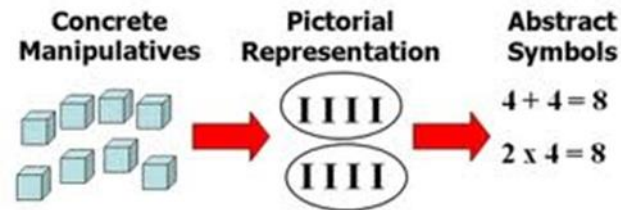
- Concrete = maths concept is modelled with concrete materials

P

- Pictorial = maths concept is modelled with representational/pictorial examples

A

- Abstract = Maths concept is modelled with numbers and symbols.



Year 4 Multiplication Tables Check



- The purpose of the check is to determine whether your child can fluently recall their times tables up to $12x$, which is essential for future success in mathematics. It will also help your child's school to identify if your child may need additional support.
- All children in Y4 will sit the screen in June 2023.
- It is important that we do all we can to help them learn tables in preparation for this date.

Access arrangements

- There are several access arrangements available for the check, these can be used to support pupils with specific needs.
- We will ensure that the access arrangements are appropriate for your child before they take the check in June.
- The check has been designed so that it is inclusive and accessible to as many children as possible, including those with special educational needs or disabilities (SEND) or English as an additional language (EAL).

What does the check involve?

- It is an on-screen check consisting of 25 times table questions.
- Your child will be able to answer 3 practice questions before taking the actual check.
- They will then have 6 seconds to answer each question.
- On average, the check should take no longer than 5 minutes to complete.



Learning tables



Tables are also taught through the use of times tables grids, charts, songs, games, a counting stick and a variety of online Game including:

TT Rockstars

Purple Mash

Maths Shed

Dyslexia Gold

White Rose Maths

These online games can also be used at home as children all have login details in the back of their home-school planners. We appreciate parental support with encouraging children to play on these games.

Other checks/games include - Mathsframe

Timestables.co.uk, Hitthebutton.

Assemblies

Children are also able to attend assemblies promoting maths explaining why maths is important.

We have regular times tables assemblies to give out awards for reaching new levels with their tables including mastering a new set of tables.

PM statement

The Prime Minister has plans to extend learning of maths up until the age of 18.

He has said maths goes beyond careers and employment, so many aspects of everyday life – from managing personal finances, to understanding offers in the supermarket.

Feeling more confident with Maths from an earlier age will help to foster a better attitude towards Maths.

How can parents/carers support children with their learning?



- Encourage children to play Times Table Rockstars as often as possible. Small 5 minute daily sessions will help children to learn times tables more than one long session a week.
- The soundcheck is very similar to the multiplication check.
- Quiz your child at home regularly. This could be when making dinner or on the journey to school.
- Play tables games when possible – just five minutes a day can have a huge impact.



Times tables lessons



Today, you will be able to visit your child's classroom to have a better understanding of some of the methods we use to teach times tables.

We aim to bring elements of fun along side the learning while still challenging children to relate to facts they already know.

Alongside the online learning apps, we encourage the use of the times table number stick and times tables grids to support us with remembering more.

+ - × ÷

THANK YOU
for your
valuable support.