

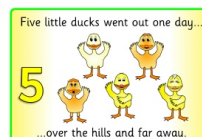


The Multiplication Journey

Nursery & Reception: Foundations of Grouping & Counting

Children explore the concepts of "more," counting in sets, and early patterns. They begin subitising (recognising a group of objects without counting them individually) and sharing equally.

At Home:

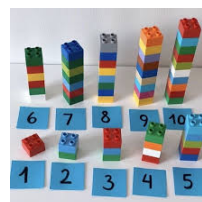


- ★ Count in pairs (socks, shoes, fruit slices).
- ★ Practice counting by 2s, 5s, and 10s using real objects or rhythm (clapping or stomping).
- ★ Use nursery rhymes with repetitive numbers (e.g., *Five Little Ducks*).

Years 1 & 2: Skip Counting, Equal Groups & Early Tables

Children learn that multiplication is repeated addition. In Year 1 and 2, they focus specifically on the **2, 5, and 10 times tables**.

At Home:



- ★ **Build Arrays:** Arrange LEGO blocks, coins, or pasta shapes into rows and columns.
- ★ **Real-life Maths:** "If there are 4 bicycles, how many wheels are there altogether?"
- ★ **TTRS Focus:** Access TTRS to build rapid recall of the 2s, 5s, and 10s.

Years 3 & 4: Expanding Knowledge & The Multiplication Tables Check (MTC)

In Year 3, pupils learn the **3, 4, and 8 times tables**. In Year 4, they master the **6, 7, 9, 11, and 12 times tables**, preparing for the national Multiplication Tables Check (MTC) at the end of Year 4.



At Home:

- ★ **Spot the Patterns:** Explore rules like "all multiples of 5 end in 0 or 5" or "even numbers times even numbers are always even."
- ★ **Quick-Fire Games:** Play "Beat the Clock" with physical flashcards while waiting for dinner or walking to school.
- ★ **TTRS Focus: Garage / Jamming Mode:** Great for targeting specific tables set by the teacher. **Soundcheck Mode:** Replicates the 25-question, 6-second-per-question format of the official Year 4 MTC check. 10 minutes of daily practice makes a huge difference!

Years 5 & 6: Fluency, Application & Multi-Digit Multiplication

Pupils apply their rapid recall of multiplication facts to long multiplication, prime numbers, factors, square numbers, and complex reasoning/word problems.

At Home:

- ★ **Everyday Application:** Involve them in budgeting, scaling recipes (e.g., "We need to double or triple this ingredient amount"), or calculating areas of rooms/gardens.
- ★ **Factor Hunts:** Pick a number (like 24) and see who can list all its factor pairs the fastest.
- ★ **TTRS Focus: Studio Mode:** Helps build speed (aiming for "Rock Legend" or "Rock Star" status under 2 seconds per question). **Arena / Festival Modes:** Multiplayer modes where children can safely compete against classmates or pupils worldwide to boost confidence and speed.

Top Tips for Making TTRS Work at Home

1. **Little and Often:** 3 to 5 minutes of practice each day is far more effective than 45 minutes once a week.
2. **Focus on Accuracy First, Speed Second:** Encourage your child to take their time in **Jamming Mode** to get the answers right before pushing for speed in **Studio**.
3. **Celebrate Effort over Score:** Look at their "Coins Earned" or "Studio Speed" improvement rather than comparing them to others.
4. **Join the Battle of the Bands:** Look out for our upcoming class vs. class TTRS competitions—these are a fantastic motivator!