



Times Tables are at the heart of mental arithmetic, which in itself helps form the basis of a child's understanding and ability when working with number. Once the children have learnt the times tables and related division facts by heart, they are able to work far more confidently and efficiently through a wide range of more advanced calculations as well as using them in real-life, every day scenarios. At Two Village Primary School, we believe that through a variety of interactive, visual, engaging and rote learning techniques, most children can achieve the full times tables knowledge required by the end of Year 4 and for the times tables check in 2020.

Progression

Below is the expected progression throughout the school but children who are ready, may progress into higher year group expectations once they have a secure knowledge of the times tables facts and can recall them accurately.

Year 1:

Be able to count in 2s, 5s and 10s fluently, backwards and forwards.

Be able to recall multiplication facts for the 2s, 5s and 10 times tables.

Year 2:

Be able to recall multiplication facts for the 2s, 5s and 10 times tables confidently, fluently and accurately.

Year 3:

Be able to recall the multiplication facts for 2s, 5s, 10s, 3, 4, and 8s confidently, fluently and accurately and know some of the related division facts.



Year 4:

Be able to recall all times tables up to 12x confidently, fluently and accurately and know some of the related division facts.

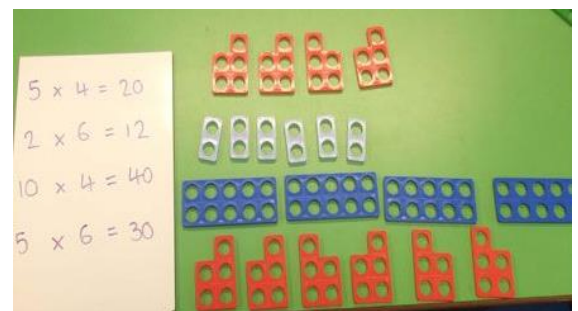
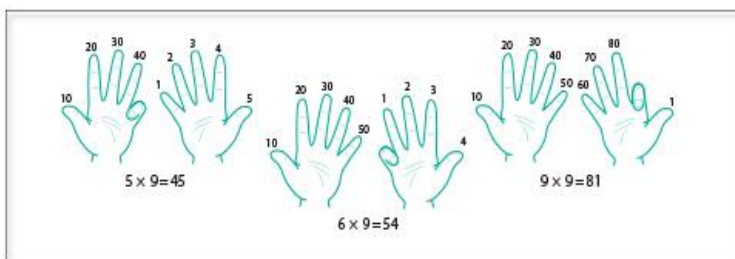
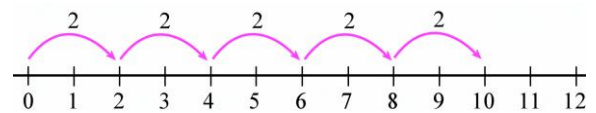
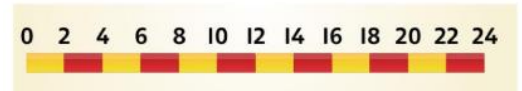
Year 5 and 6:

Be able to recall all times tables and their corresponding division facts confidently, fluently and accurately.

The Teaching of Times Tables

Times tables should be taught and practised regularly and consistently using a range of visual, kinaesthetic and auditory activities while adopting the concrete, pictorial and abstract approach. Some of these activities are listed below:

- Songs,
- Rote learning
- The use of a counting stick or number lines
- The use of games (e.g hit the button)
- Flash cards
- Looking for patterns
- Times Tables Rockstars
- Arrays
- Grouping
- Repeated addition
- Finger tricks
- Using known facts e.g finding 6×7 by using 5×7 , squared numbers etc
- Numicon





Home Learning

Year 2 - Year 6:

Homework should be set weekly on Times Tables Rockstars. This should be 15-20 minutes but children can complete extra if they choose to. These times tables will be tested weekly using the Times Tables Rockstars worksheets.

Year 1:

Teachers may choose to set their children times tables activities to complete if they feel it is appropriate. This may or may not be using times Tables Rockstars.

Rewards

Children can earn certificates by using Times Tables Rockstars regularly; collecting 'coins' and improving their fluency and accuracy. These certificates are presented in weekly celebration assemblies. Certificates are generated automatically by Times Tables Rockstars and identify children who are 1st, 2nd and 3rd place on a school leader board. These certificates are also displayed in the school hall. A further three children, whose efforts have been recognised, are awarded a 'best effort' certificate which are also presented during weekly celebration assemblies.

Assessment

Year 1:

Children are assessed broadly through teacher assessment via recall sessions - ensuring that the children can recall facts in a random order however, the children will also complete a half termly written assessment to monitor progress.

Year 2 - Year 6:

The children should be assessed weekly on their ability to recall times tables. Assessments should focus on instant and accurate recall of facts. These assessments will require a written answer; this data should be kept as a record. The children will be given opportunities to practise these times tables in school as well as completing their homework on Times Tables Rockstars. In addition to weekly tests, the children will be assessed half termly to monitor progress of all the times tables specific to that year group. For example, in Year 3, children will complete a grid for the 2s, 5s, 10s, 3s, 4s and 8s.



Application of times tables in calculation

A child's growing understanding of times tables is only relevant if they are aware of their application in calculations and real life. In order to do this, children should be using recall of times tables and related divisions when needed in calculations. This awareness can be created in several ways:

- Highlighting when times tables are being used during modelling
- Discussion of how they are being applied during problem solving
- Inclusion of real-life examples of times table application
- Practicing times tables on a daily basis
- Marking - identifying where errors have been made, due to incorrect calculating.

Interventions

Children identified as working below year group expectations, may be invited to join a lunchtime club where they can practise through games. In Year 2 upwards, teachers and Teacher Assistants are expected to have a focus group of children who they work with on a daily rapid recall programme. This involves children verbally recalling, their set times tables in a random order, as quickly and accurately as they can in one minute. Progress is monitored and recorded on a tracking sheet. The children may be removed from the group if the teacher judges that they no longer require extra intervention.