

Times tables

Times tables can be learnt in a process to make it easier for children to retain:

Stage 1	<ul style="list-style-type: none">• Learn the sequence in a times table e.g. 3,6,9,12 etc.• Recite/write parts of the pattern from a given number e.g. 9... the children would then say 12,15,18. This can be forward or backwards so that they really get to know the sequence and pattern.• Know the digits either side of a number e.g. 15 – either side would be 12 and 18.• How quickly can they say/write the pattern in full backwards and forwards?
Stage 2	<ul style="list-style-type: none">• Learn the number sentences in order by saying 1 times 3 equals 3, 2 times 3 equals 6 etc. By this time they should be very familiar with the number patterns from stage 1.
Stage 3	<ul style="list-style-type: none">• Say the times tables they are learning as number sentences, in and out of order e.g. 1 times 4 equals 4, 7 times 4 equals 28.
Stage 4	<ul style="list-style-type: none">• Rapidly answer any questions in a times table in any order e.g. $3 \times 7 = ?$ *Children are usually able to answer questions in under 6 seconds when they have moved to stage 3 and 4 of their times table learning.*
Stage 5	<ul style="list-style-type: none">• Manipulate the number sentence so that they can find the missing factor e.g. if when learning the 4 times table they will be able to say $'? \times 4 = 16$.
Stage 6	<ul style="list-style-type: none">• Give the corresponding division facts in and out of order to show inverse knowledge. Start with the whole sequence of inverse facts in order e.g. 60 divided by 5 equals 12, 55 divided by 12 equals 11 etc.• Learn the inverse facts in any order. E.g. 25 divided by 5 equals 5.

At each stage, the children should be encouraged to learn the times tables verbally and in written form. When the children have completed this process, they should then concentrate on the speed of their recall so that they are able to answer a times table question in under 6 seconds. Their time can then be improved so that they beat their personal best (PB).

Handy websites for you to use at home.

TT Rockstars is our online programme which supports the learning the times tables. It will also help you to check how fluent your child is at recalling each times table. This can be done by completing soundcheck scores. Each child, will be sent home with a heat map from TT Rockstars which will show the recall time of each times table up to 12×12 . It is colour coded (the brighter the green, the quicker the recall. Yellow, orange and red being areas of their times tables which need to be developed further) By the end of year 4, we are aiming that children will know all tables up to 12×12 in under 6 seconds.

Group 2

The sheet below outlines the times table tests which will take place weekly. Also, on the sheet, are the times table stages. You can tick each stage as your child progresses through their weekly times table learning. We have also included a section where you can time your child answering a series of verbal times table questions. This sheet does not need to come back into school; it is solely for your use at home with your child.

Dates	Autumn Term 2	I know the sequence of the pattern Stage 1	I can say/write all the number sentences in the times table I have been learning this week Stage 2	I can recall any of the facts in the times table I have been learning this week in any order Stage 3	I can answer any question in (?) seconds (my PB) Stage 4
Week 1 Tested on 13/11/20	6 Times tables				
Week 2 Tested on 20/11/20	12 Times tables				
Week 3 Tested on 27/11/20	8 Times tables				
Week 4 Tested on 04/12/20	7 Times tables				
Week 5 Tested on 11/12/20	9 Times tables				
Week 6 Tested on 18/12/20	All Times tables				

Group 3

The sheet below outlines the times table tests which will take place weekly. Also, on the sheet, are the times table stages. You can tick each stage as your child progresses through their weekly times table learning. We have also included a section where you can time your child answering a series of verbal times table questions. This sheet does not need to come back into school; it is solely for your use at home with your child.

Dates	Autumn Term 2	I know the sequence of the pattern Stage 1	I can say/write all the number sentences in the times table I have been learning this week Stage 2	I can recall any of the facts in the times table I have been learning this week in any order Stage 3	I can answer any question in (?) seconds (my PB) Stage 4
Week 1 Tested on 13/11/20	5 Times tables				
Week 2 Tested on 20/11/20	10 times tables				
Week 3 Tested on 27/11/20	3Times tables				
Week 4 Tested on 04/12/20	6 Times tables				
Week 5 Tested on 11/12/20	4 times tables				
Week 6 Tested on 18/12/20	8 Times table				