

Cracking Times Tables (Years 2-6)

Knowledge of times tables (and associated division facts) are vital to a child's success in many areas as well as being an important skill in its own right.

We aim to make learning tables fun and use songs from Percy Parker to help children learn.

[Sing Your Times Tables With Percy Parker](#)

Times Tables Curriculum Expectations

Year	Tables
1	Use of concrete objects, pictorial representations & arrays Summer Term Cracking Times Tables is introduced
2	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables
3	recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
4	recall multiplication and division facts for multiplication tables up to 12 × 12
5	Deepening understanding of multiplication and division facts including factors, prime & square numbers
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Cracking Times Tables Test

Children will be expected to learn times tables at home (about 5 minutes each day is ideal) and they will be tested each week in class. This is a written 3 minute test. The tables are not written in the order they are 'chanted' and the tables fact may be reversed to encourage children to recognise that multiplication can be done in any order. For example: Level 1, which tests the 2 times table, might have a question like 2×9 . Children will learn to recognise that this is the same as 9×2 . Tables are tested up to $12 \times$ the number.

When a level is achieved, children receive a certificate to take home. They progress to the next level which will include 5 additional questions and introduce a new times table. (see the table below). The tests will become increasingly difficult as children move through the levels but 3 minutes will remain the time limit.

Cracking Times Tables Levels

Level	Times Tables Tested	Number of questions
1	2	10
2	2, 10,	15
3	2, 10, 5,	20
4	2, 10, 5, 4	25
5	2, 10, 5, 4, 8	30
6	2, 10, 5, 4, 8, 3	35
7	2, 10, 5, 4, 8, 3, 6	40
8	2, 10, 5, 4, 8, 3, 6, 9	45
9	2, 10, 5, 4, 8, 6, 9, 7	50
10	2, 10, 5, 4, 8, 6, 9, 7	100
11-20	Up to 20 x 20 Multiplication & division facts, square roots & square numbers	Varies but less than 100 questions due to complexity

Once level 10 is achieved we have a range of additional levels 11-20 which progress beyond 12 x 12 and include division facts, square roots and square numbers.

Children who do not achieve full marks will be clear as to which facts were incorrectly answered so that they are able to focus in on those facts. Children may initially be supported in KS1 by use of cubes or even a multiplication grid. They will then be tested without these to ensure they have fully learned the tables facts.

See over the page for top tips for times tables!

Tips for times tables and number bonds

- Children often find learning multiplication and addition facts difficult. Different ways suit different children. The way that you learnt them may not be best for your child.
- Remind your child that you can complete addition and multiplication in any order so as soon as you have learned that $5 \times 7 = 35$ you have also learned the answer to 7×5 (the law of commutativity)
- Play matching pairs using questions and answers or bingo.
- Have number facts displayed around the house.
- Say the number facts out loud or to a rhythm or tune (there are cassettes available with all sorts of dance beats!)
- Spot patterns and relationships – look at the similarities in the 3 and 6 times tables for example.
- Use web sites - learning always seems more fun when there is a computer involved!

Great websites:

Times Tables Rock Stars (children have their own logins)

[Times Tables Rock Stars \(trockstars.com\)](http://trockstars.com)

Note the tables tested also include division facts as it encourages children to recognise the for every multiplication fact there are two related division facts

E.g. $2 \times 3 = 6$ & $3 \times 2 = 6$ and $6 \div 2 = 3$ & $6 \div 3 = 2$

Hit the Button

[Hit the Button - Quick fire maths practice for 5-11 year olds \(topmarks.co.uk\)](http://topmarks.co.uk)

This website is great for focusing on a single table to build confidence

Maths Frame Multiplication Check

[Multiplication Tables Check - Mathsframe](#)

This activity exactly mirrors the 'Multiplication Tables Check' that will be given to children at the end of Year 4. They are tested on their multiplication tables up to 12×12 . There are twenty-five questions and children have six seconds to answer each question and three seconds between questions. The questions are generated randomly using the same rules as the 'Multiplication Tables Check'. Results can be downloaded and printed at the end of the test.