

Children learn the facts a bit like song lyrics. We want them to be so comfortable saying the facts that they trip off the children’s tongues – a bit like singing along to a song without having to really think about the words at all.

We have a daily 10 minute times table session.

- We learn a small number of new facts at a time- just two or three.
- Alongside these new facts, we keep practising facts we know already.
- We practise until we are all really quick and confident, then we all move on together.

Each child has their own booklet in which we aim to complete 40 facts in 2 minutes. After 2 minutes the teacher chants each fact and the children chant it back. This saying of the facts out loud, and the practise trying to recall the facts and write them in the booklet, is what leads to memorisation.

We have a display up in the class showing all our times tables facts. If we haven’t learnt a fact yet the children copy it off the display. Over time, after saying each fact lots of times, the children will remember them as a sound pattern and no longer need to copy off the display.

As part of the approach, children learn to apply their memorised fact to all facts in the fact family. For example we memorise “seven fives are thirty-five” and then children have lots of practice applying that to 5×7 , $35 \div 5$ and $35 \div 7$. The children will get really confident moving between multiplication and division.

What times tables do children learn when?

Here is our curriculum overview for times tables through Key Stage 2:

| | Autumn | | | Spring | | | | | | Summer | | | |
|--------|-------------------------------------------------|-----------------------|-----------------------|-------------------------------------------------------------------------------|-----------------------|----------------------|-----------------------|--------------|-----------------------|----------------|---------------------------------------------------------|------|---------------|
| Year 3 | | | | Doubles | 2 Times Table | | Square Times Table | | 5 Times Table | | Consolidation | | |
| | | | | 5 weeks | 5 weeks (8 facts) | | 5 weeks (7 new facts) | | 5 weeks (6 new facts) | | 3-5 weeks 21 out of 36 facts learnt by end of Year 3 | | |
| Year 4 | Recap | 3 Times Table | 4 Times Table | 6 Times Table | 7 Times Table | 8 TT | 9 TT | More squares | 10&11 TT | 12 Times Table | MTC Prep | MTC | Consolidation |
| | 3 weeks | 5 weeks (5 new facts) | 5 weeks (4 new facts) | 3 weeks (3 new facts) | 3 weeks (2 new facts) | 2 weeks (1 new fact) | 2 weeks (0 new facts) | 1 wk | 1 wk | 4 weeks | 3 weeks | 1 wk | 3-5 weeks |
| | 30 out of 36 facts learnt by end of Autumn Term | | | All 36 facts learnt by mid Spring 2 | | | | | | | | | |
| Year 5 | Daily consolidation | | | Weekly consolidation (weekly fluency session and weekly conceptual animation) | | | | | | | | | |
| Year 6 | Weekly consolidation | | | | | | | | | | | | |

In Year 3 we learn 21 of the 36 essential facts:

| 2 times table | Square times table | 5 times table |
|-------------------|--------------------|--------------------|
| 8 facts | 7 new facts | 6 new facts |
| $2 \times 2 = 4$ | $3 \times 3 = 9$ | $3 \times 5 = 15$ |
| $3 \times 2 = 6$ | $4 \times 4 = 16$ | $4 \times 5 = 20$ |
| $4 \times 2 = 8$ | $5 \times 5 = 25$ | $6 \times 5 = 30$ |
| $5 \times 2 = 10$ | $6 \times 6 = 36$ | $7 \times 5 = 35$ |
| $6 \times 2 = 12$ | $7 \times 7 = 49$ | $8 \times 5 = 40$ |
| $7 \times 2 = 14$ | $8 \times 8 = 64$ | $9 \times 5 = 45$ |
| $8 \times 2 = 16$ | $9 \times 9 = 81$ | |
| $9 \times 2 = 18$ | | |

In Year 4 we learn the other 15 essential facts:

| 3 times table | 4 times table | 6 times table |
|--------------------|--------------------|--------------------|
| 5 new facts | 4 new facts | 3 new facts |
| $4 \times 3 = 12$ | $6 \times 4 = 24$ | $7 \times 6 = 42$ |
| $6 \times 3 = 18$ | $7 \times 4 = 28$ | $8 \times 6 = 48$ |
| $7 \times 3 = 21$ | $8 \times 4 = 32$ | $9 \times 6 = 54$ |
| $8 \times 3 = 24$ | $9 \times 4 = 36$ | |
| $9 \times 3 = 27$ | | |

| 7 times table | 8 times table | 9 times table |
|--------------------|-------------------|-------------------------------|
| 2 new facts | 1 new fact | No new facts to learn! |
| $8 \times 7 = 56$ | $9 \times 8 = 72$ | |
| $9 \times 7 = 63$ | | |

We also recap the 10 times table, which children tend to know already from place value work, and learn the 11 and 12 times tables.

As you'll see from the table, one of the great things about the approach is that as we move up through the times tables, there are a lot fewer new facts to learn each time. By the time we get to the 8 times table there is only one new fact, and in the 9 times table the children have actually learnt all the other facts in previous times tables. This makes learning their times tables feel really achievable for the children. The children can see exactly where they are on the journey to knowing all of the facts which helps them feel confident they will be able to learn them all. Building this confidence is a really important part of the approach.

What if my child needs additional help?

Because the programme is so well structured and builds up the new facts in such small groups, most children, including children with SEND, will learn their facts just through the daily sessions. We monitor how children are getting on in the sessions on a daily basis, and intervene very quickly if we think any of the new facts are not sticking as quickly as we would like. Our aim is to stop gaps opening, rather than 'play catch up' once gaps have already opened. The vast majority of support happens within our 10

minute daily sessions. This might simply be through asking a child to identify one target fact which they can practice several times that day for example. Occasionally we may put some additional support in place outside the session, for example providing children with a pack of times tables cards that they can self-quiz on a couple of times a day.

How can I help at home?

- Show an interest in how your child is getting on. Ask them what times table we are learning currently. Ask them what new facts there are in that times table, and if there are any particular new facts they are focusing on learning to recall. Prompt your child to say this fact a few times.
- Celebrate your child's successes. We work up to all children recalling 40 facts in 2 minutes, so you can ask your child how they are getting on, or something they are particularly proud of. Sometimes we will prompt the children to go home and tell you how well they have done, so if your child does this do take the time to tell them how proud you are. Self-confidence and motivation is so helpful in learning times tables!
- If your child is trying to recall a times table they have already been taught, prompt them to read it out loud. For example, if a child saw 7×5 written down, prompt them to say "Seven fives..." out loud. This prompts the sound memory: "Seven fives are...thirty five." We learn each sound pattern with the larger factor first, so if your child saw 5×7 written down, we would still say that as "Seven fives...". The children will become very confident changing the order of the factors in this way when they read a calculation out loud.
- As adults, we have had a range of experiences in learning times tables – some more positive than others! Even if you weren't taught to remember your times tables at school and have managed without knowing them, please try to avoid telling your child they don't need to learn their facts. Our method really does focus on us supporting every child to learn them, and this will really help your child throughout school and beyond.

Please ask us if you have any further questions about our approach.