

17th April 2026

Understanding the TTRS Heat Map: A Guide for Parents

Dear Parents and Carers

We are sharing your child's heat map with you. As part of our commitment to building "maths fluency," we use Times Tables Rock Stars to help our pupils master their multiplication and division facts.

One of the best ways to track your child's progress is through the Heat Map. You can find this in the "Stats" section of your child's account. This map provides a visual "snapshot" of which facts your child knows well and which ones they are still working on.

Example heat map

	10	2	5	3	4	8	6	7	9	11	12
10	10 x 10	10 x 2	10 x 5	10 x 3	10 x 4	10 x 8	10 x 6	10 x 7	10 x 9	10 x 11	10 x 12
2	2 x 10	2 x 2	2 x 5	2 x 3	2 x 4	2 x 8	2 x 6	2 x 7	2 x 9	2 x 11	2 x 12
5	5 x 10	5 x 2	5 x 5	5 x 3	5 x 4	5 x 8	5 x 6	5 x 7	5 x 9	5 x 11	5 x 12
3	3 x 10	3 x 2	3 x 5	3 x 3	3 x 4	3 x 8	3 x 6	3 x 7	3 x 9	3 x 11	3 x 12
4	4 x 10	4 x 2	4 x 5	4 x 3	4 x 4	4 x 8	4 x 6	4 x 7	4 x 9	4 x 11	4 x 12
8	8 x 10	8 x 2	8 x 5	8 x 3	8 x 4	8 x 8	8 x 6	8 x 7	8 x 9	8 x 11	8 x 12
6	6 x 10	6 x 2	6 x 5	6 x 3	6 x 4	6 x 8	6 x 6	6 x 7	6 x 9	6 x 11	6 x 12
7	7 x 10	7 x 2	7 x 5	7 x 3	7 x 4	7 x 8	7 x 6	7 x 7	7 x 9	7 x 11	7 x 12
9	9 x 10	9 x 2	9 x 5	9 x 3	9 x 4	9 x 8	9 x 6	9 x 7	9 x 9	9 x 11	9 x 12
11	11 x 10	11 x 2	11 x 5	11 x 3	11 x 4	11 x 8	11 x 6	11 x 7	11 x 9	11 x 11	11 x 12
12	12 x 10	12 x 2	12 x 5	12 x 3	12 x 4	12 x 8	12 x 6	12 x 7	12 x 9	12 x 11	12 x 12
NO DATA	0 - 1 s	1 - 2 s	2 - 3 s	3 - 4 s	4 - 5 s	5 - 6 s	6 - 7 s	7 - 8 s	8 - 9 s	9 - 10 s	> 10 s

How to Read the Map

The Heat Map is a colour-coded grid representing the multiplication table (up to 12x12). The colours inform the speed at which your child can answer the times table questions.

Dark Green: These are "Rock Star" facts! Your child can answer these in under 1 second.

Light Green: Your child is very fast, answering these in 1 to 3 seconds.

Yellow/Orange: These facts are known, but it takes your child a little longer to calculate the answer (over 4 seconds).

Ready, Respectful, Safe

Red: These are "sticky" facts. These are the ones your child is currently finding most challenging or taking the longest to solve.

Grey: These facts haven't been practiced enough yet to generate a score.

How You Can Help at Home

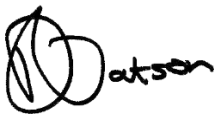
The goal isn't to get the whole map green overnight! Fluency takes time. You can support your child by:

- **Focusing on the "Fringe":** Look for the yellow or red squares that sit next to the green ones. These are often the easiest "next steps" to master.
- **Short Bursts:** Just 5 minutes of practice a day is more effective than an hour once a week.
- **Celebrating Growth:** Check the map once every few weeks with your child. Seeing a red square turn yellow, or a yellow one turn green, is a huge confidence booster!

The Heat Map updates automatically as your child plays in the Studio or Gig modes. If they only play in "Garage" mode, the map will only show the specific tables currently set by their teacher.

Thank you for your continued support in helping your child become a Times Table Rock Star!

Yours sincerely

A handwritten signature in black ink, appearing to read 'D Watson'.

Mrs D Watson
Mathematics and Financial Education Lead / Year 5 Teacher