

TTRockstars and Times tables

Why?

- ▶ Times tables are an important concepts as they can help you understand other mathematical concepts. Knowing their **times tables** can also help your child more readily grasp other **important** aspects of Maths, such as fractions, division and percentages and is an element of learning that assists in life long skills.



Fluency

- ▶ Children should not only be able to count up and back in their times tables but should be able to recall sums fluently without having to count through their multiples.

How times tables are taught

- ▶ The National curriculum splits the teaching of times tables within different year groups.
 - Year 1 – count in 2, 5, 10.
 - Year 2 – know and recall the 2, 5 and 10 times tables.
 - Year 3 – know and recall the 3, 4 and 8 times tables.
 - Year 4 – know and recall all times tables to 12 x 12

With the pressure of the multiplication test in year 4, we at Kingsfield have attempted to push the children by introducing the 3 times table in year 2, introducing the 6 times table in year 3 within the Summer terms to support children in their learning in year 4.

Reception and Year 1

Some children may start grouping objects in twos
Some children may count on or back in fives and tens



Year 3

Know and recall multiplication and division facts for 3, 4 and 8

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

$$15 \div 3 = 5$$

$$15 \div 5 = 3$$

$$24 \times 3$$

Year 2

Know and recall multiplication and division facts for 2, 5 and 10s

$$2 \times 5 = 10$$

$$5 \times 2 = 10$$

$$10 \div 2 = 5$$

$$10 \div 5 = 2$$

Year 4

Know and recall multiplication and division facts for 6, 7, 9, 11 and 12

$$3 \times 12 = 36$$

$$12 \times 3 = 36$$

$$36 \div 3 = 12$$

$$36 \div 12 = 3$$

$$274 \times 7$$

$$673 \div 7$$

$$23 \times 10 \times 3$$

CPA model of times table



$$3 \times 3 = 3 + 3 + 3$$

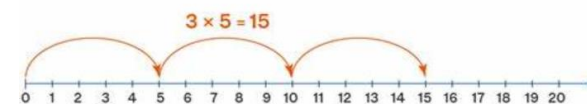
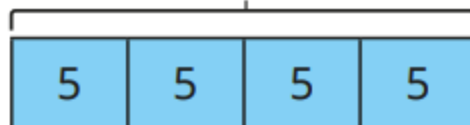
Array

Bar Model

Repeated
addition

Number
line

20



Year 4 Multiplication Tables Check (MTC)

- ▶ 'By the end of year 4, pupils should have memorised their multiplication tables up to and including the 12 multiplication table and show precision and fluency in their work'.
- ▶ National Curriculum 2014
- ▶ The MTC is a statutory KS2 assessment to be taken by pupils at the end of Year 4.
- ▶ The MTC is focused on the fluent recall of multiplication facts
- ▶ (4 x 9).
- ▶ The MTC will be delivered as an online, on-screen digital assessment and should take less than 5 minutes to complete. This will be taken in school on a tablet.

The multiplication check

The multiplication check gives the children a series of 25 questions all involving their times table (all multiply not divide).

This is an online check and can be completed on an Ipad, computer or laptop.

For each question children will have 6 seconds to read, work out and type their answer before the next question appears.



Example of the test

- ▶ <https://www.timestables.co.uk/multiplication-tables-check/>

The screenshot shows a digital multiplication test interface. On the left side, there is a circular timer displaying '00:06' and a blue button with a lock icon and the text '0 / 25'. The main area features a blue header with the equation '5 x 6 ='. Below this is a large white input field. At the bottom right, there is a numeric keypad with buttons for digits 1-9, 0, a backspace key (labeled '<-'), and an 'Enter' key.

What are we doing to prepare the children

- ▶ Children have school and home access to TTRockstars, which helps the children build their speed in answering multiplication questions.
- ▶ Times table session 3 times a week from year 3.
- ▶ In each class, times table trackers are on display, which allows the children to see which times tables they know and encourages them to learn the next table.
- ▶ Children are sent home packs of the times tables they are working on to support them in their fluency of their targeted times tables.
- ▶ Times tables club is starting this term, which is available to year 4's only, to give access to the app for those children who can't access it at home and to encourage children to practise their times tables in a fun way.
- ▶ Interventions – children who are struggling to pick up their times tables will be selected for interventions to help them.



What you can do

- ▶ Super movers - <https://www.bbc.co.uk/teach/supermovers/ks2-maths-the-3-times-table/z6sw382>
- ▶ Games – top marks <https://www.topmarks.co.uk/maths-games/7-11-years/times-tables>
- ▶ Use the examples of the multiplication check to get the children used to seeing it in this format and practice what is to come.
- ▶ Chant the times tables that they know.
- ▶ Quick fire – how many can you answer in a minute
- ▶ Encourage your child to actively use Times Table Rockstars. They can access this from a desktop computer or an Ipad.
- ▶ Quiz your children regularly and at random on their times tables. This could be done whilst cooking tea together, during car journeys or on the walk to school.
- ▶ Show your children some fun 'tricks' for remembering the trickier times tables, like nines or the sevens.
- ▶ <https://home.oxfordowl.co.uk/at-school/primary-school-assessment-tests/year-4-multiplication-tables-check/>
- ▶ Use times table wall charts at home
- ▶ Create flashcards with your child for each times table and play games like snap or matching them up in specific time. This works well as a competition between siblings, parents or even other family members!
- ▶ Challenge your children to 'beat Siri' in their times tables!
- ▶ Support school in any times table practice we send home

Useful Websites to support your child!



<https://www.topmarks.co.uk/maths-games/hit-the-button>

 multiplication.com

<https://www.multiplication.com/games/all-games>



<http://mathszone.co.uk/>



www.trockstars.com

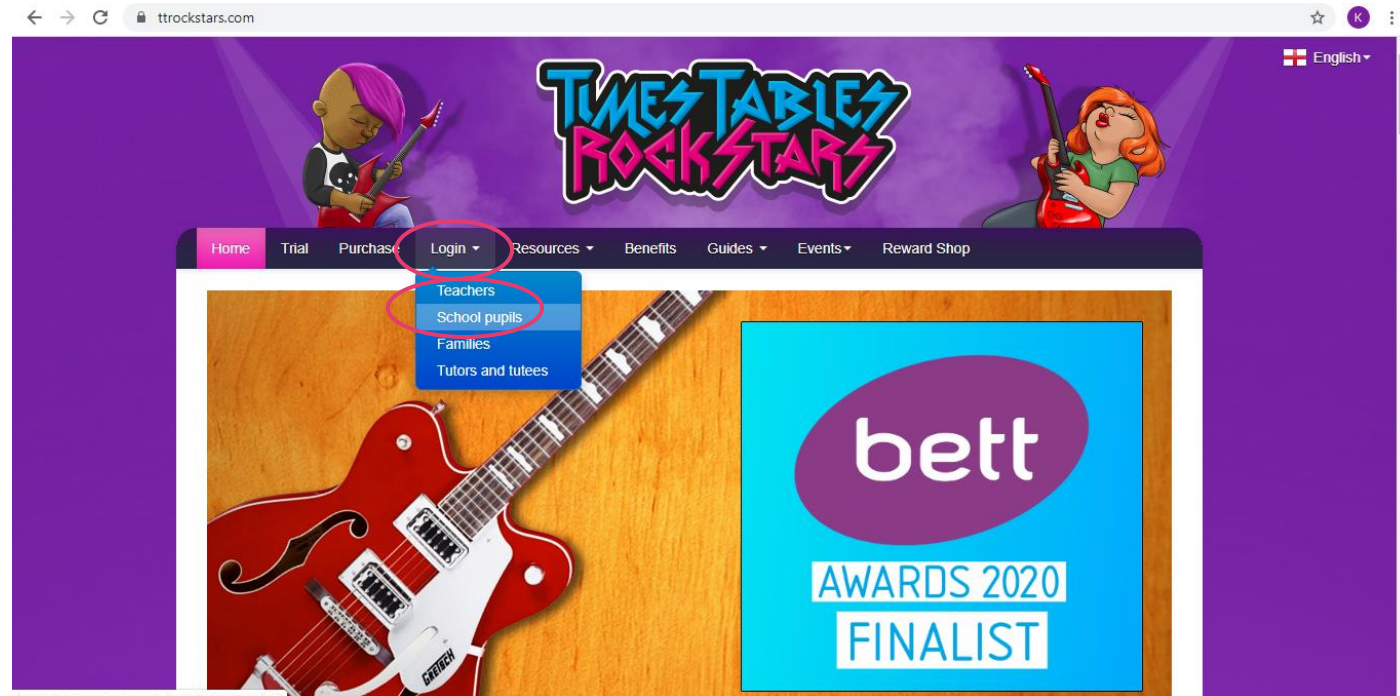


<https://www.mymaths.co.uk/>

TTRockstars

Children's real name is not used, they are given a name when they first log in.

▶ Login





LOGIN

School Postcode *

🏠 kingsfie

Kingsfield First School


ST8 6AY







KINGSFIELD FIRST SCHOOL

Change School

 Username *

 Password *



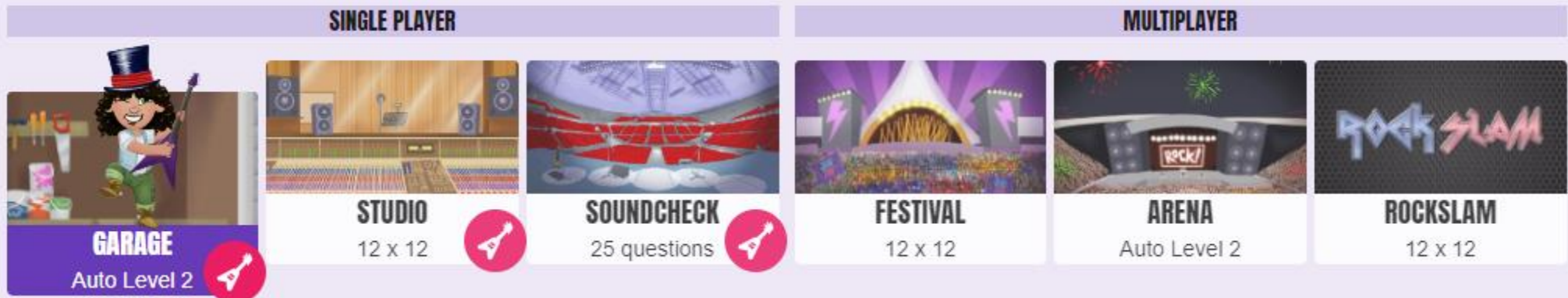
Login

Bookmark the following url to login faster:
<https://play.trockstars.com/login/60661>

3.16.70w



▶ Each child's login will be at the back of their Home Links Book

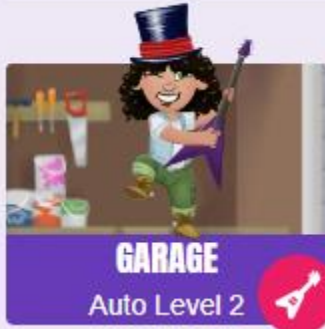


- ▶ Garage
- ▶ Children get 1 minute to answer questions on the times tables they are working on – As they get quicker it will begin to give them new times tables

The screenshot shows the game interface during a math question. At the top left, there is a "Go Back" button. The current score is 57, and the next question is 10 x 3. The current question is 10 x 1, with a 00 timer. Below the question is a text input field with the prompt "Type your answer, and hit enter!". Below the input field is a numeric keypad with buttons for 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, Delete, and Enter. The background shows a workshop with tools and paint cans.



SINGLE PLAYER

**STUDIO**

12 x 12

**SOUNDCHECK**

25 questions

**FESTIVAL**

12 x 12

**ARENA**

Auto Level 2

**ROCKSLAM**

12 x 12

MULTIPLAYER

← Go Back

Next: $56 \div 7$

60 12 x 10 **00**

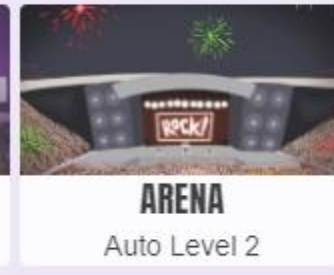
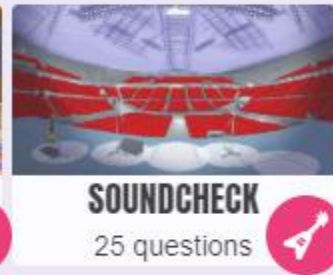
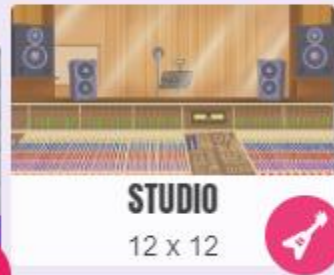
Type your answer, and hit enter!

1	2	3
4	5	6
7	8	9
Delete	0	Enter



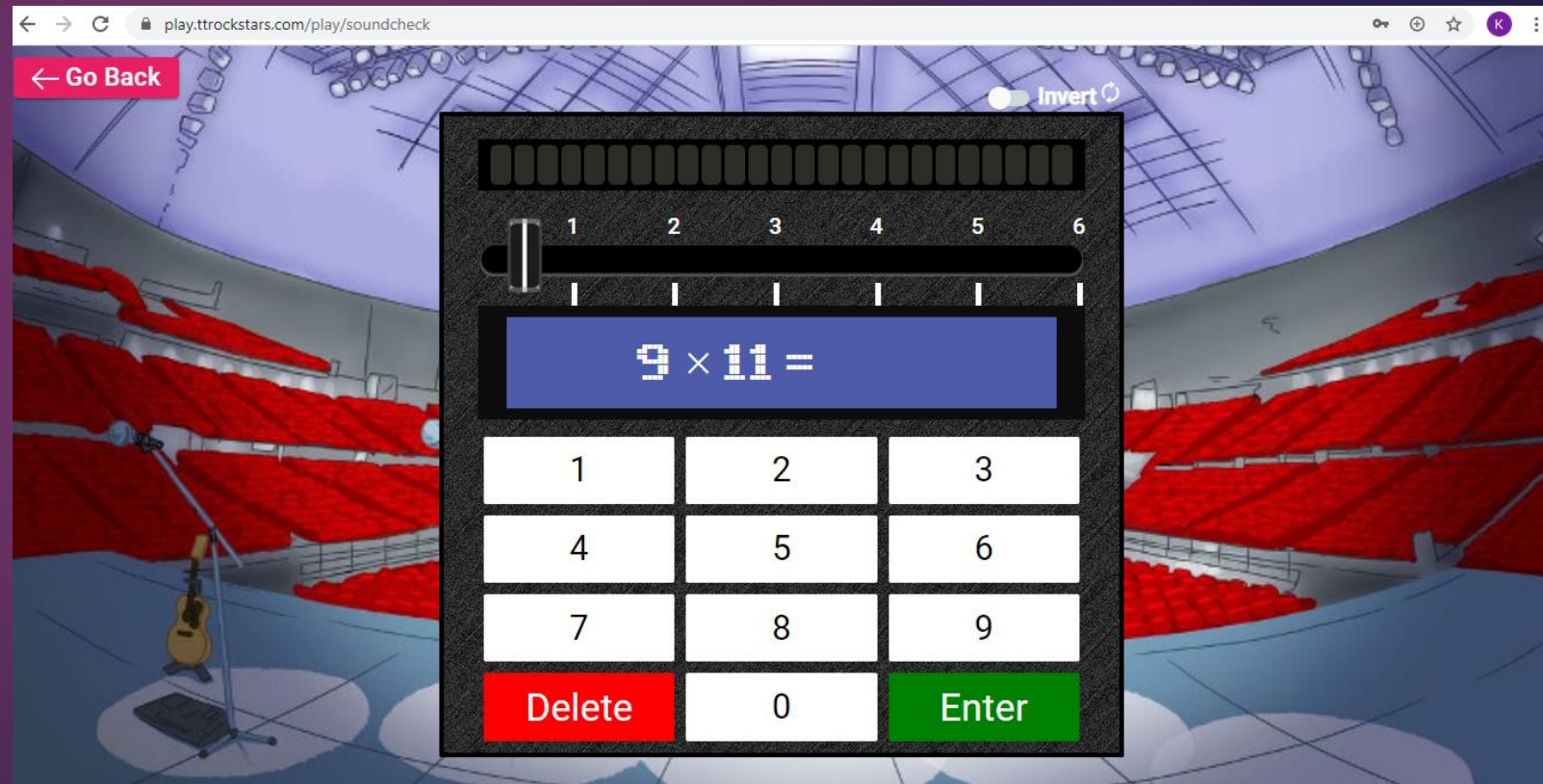
- ▶ Studio
- ▶ Children are given 1 minute to answer as many times tables up to their 12 times tables.

SINGLE PLAYER

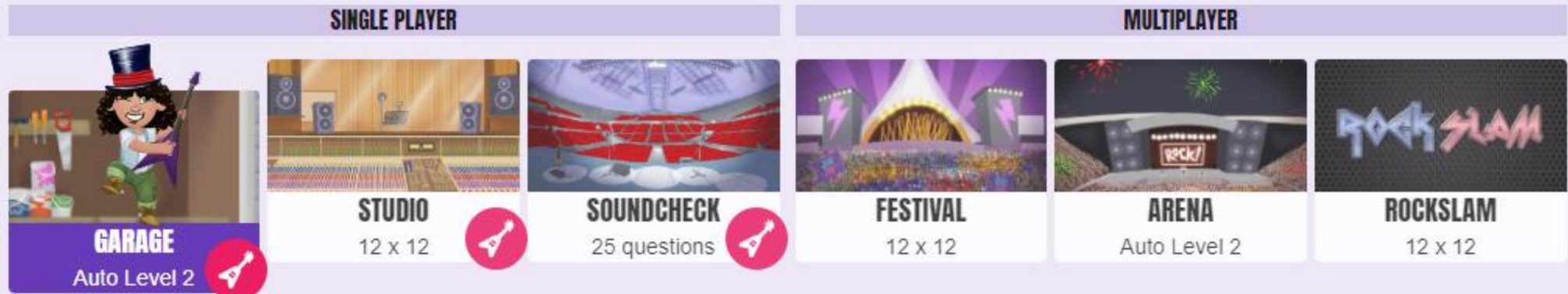


MULTIPLAYER

- ▶ Soundcheck
- ▶ Children are given 25 questions with 6 seconds to answer (Like the multiplication check) up to their 12 times tables



Multiplayer



- ▶ Festival
- ▶ They can play anyone in the world who is playing at the time.
- ▶ They have 60 seconds to answer as many questions as they can.

- Arena
- Can battle someone from their class who is playing at the same time.
- They have 60 seconds to answer as many questions as they can.

- Rockslam
- Can battle someone in Kingsfield of their choice including teachers.
- They have 60 seconds to answer as many questions as they can.

Any questions

