



Year 4 Maths Parent workshop

30.11.23

Helping your child to improve their rapid recall of multiplication facts and to prepare for the Year 4 Multiplication Tables Check (MTC)



**Mental maths facts
are important.....**

Important mental maths facts include:-

- Number bonds to 10, 20 and 100**
- Addition and subtraction facts for numbers up to 20**
- X tables up to 12 X 12**

**Rapid recall of these
facts is crucial....**

What is rapid recall?

Rapid recall (or fluency) is the ability to remember mathematical facts accurately and quickly.

e.g. a child is fluent if

When asked to multiply 5×6 , they immediately answer 30

Rapid recall is not.....

- Calculating facts
- Counting on fingers
- Reciting memorised songs or rhymes

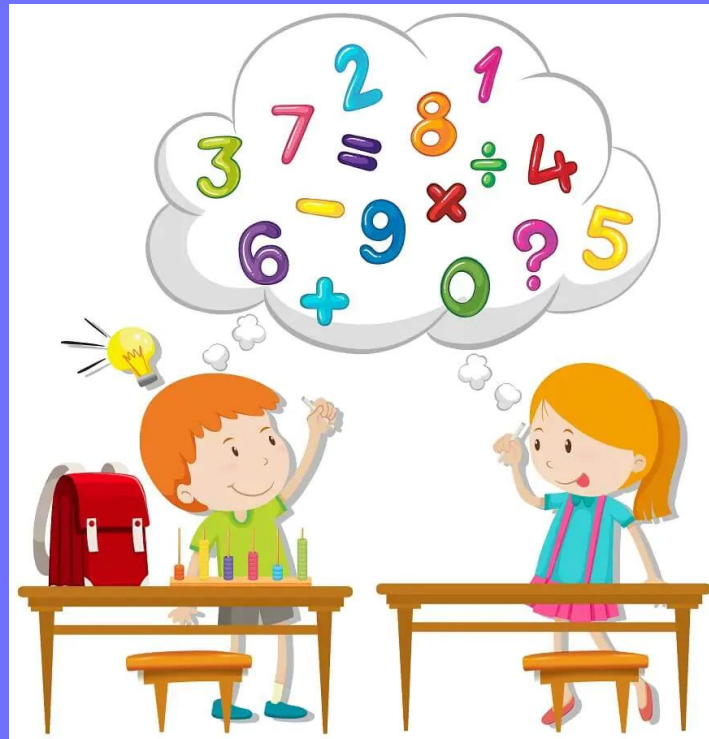


**How do children achieve
rapid recall of these
important maths facts?**



The National Curriculum states that pupils should become fluent in the fundamentals of mathematics through varied and frequent practice.

**Rapid recall requires
repetition and
practice – lots of it!**



- **Work at home is of huge benefit in helping children achieve rapid recall of mental maths facts.**
- **Having rapid recall improves children's confidence in their own mathematical abilities.**
- **and it increases children's enjoyment of maths itself.**

Our Workshop today....

**Ideas to help to support your child
Improve their rapid recall of mental
maths facts focussing on the
multiplication tables.**

**Help prepare your child for the Year 4
Multiplication Tables Check (MTC)**

Learning multiplication facts is so important for many areas of mathematics not just at primary school but at secondary as well.

How can my child practise rapid recall of multiplication facts?

- Online games
- Card games
- Dice games
- Board games
- Other games

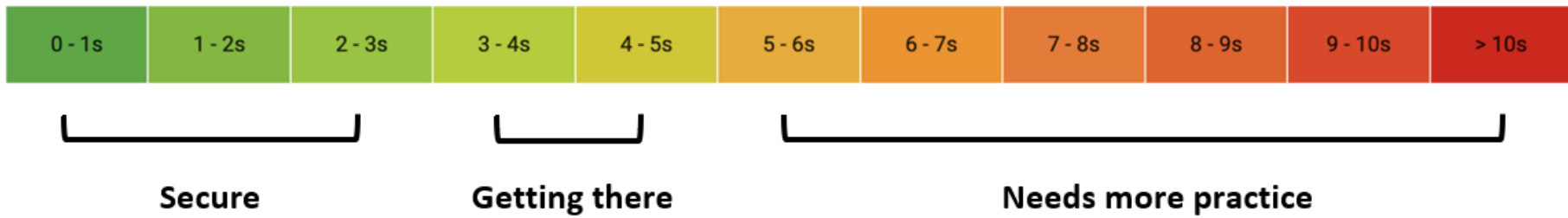
Online Games

- TT Rock Stars
- 99 Maths
- Hit the Button
- Links to these and others on Google Classroom
- Other websites on school website and in Home Link Books



Recent speed data on more than 327,000 children shows that on average, students are 38% faster at answering times tables questions after using Times Tables Rock Stars than when they started using it.

- Your child's current heatmap can be accessed by logging in to your child's account > Stats > Fluency.
- It shows their current recall time for each of the times tables facts.
- The greener the fact, the quicker the response time. Any facts shown in red or orange are slower than 5 seconds, and should be practised.



Single Player Games



JAMMING

Take it easy



GIG

Perform once a month



GARAGE

Complete your heatmap



STUDIO

Get a rock status

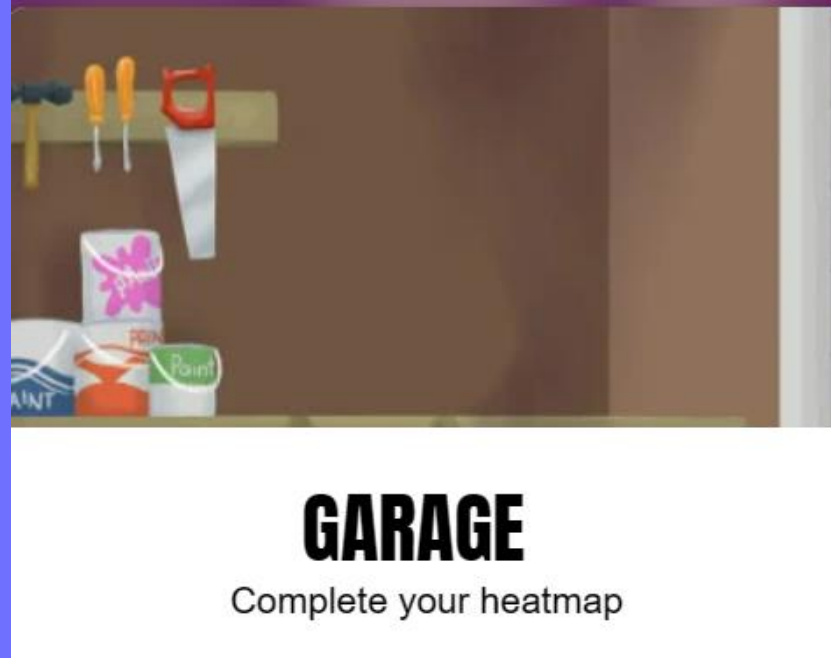


SOUNDCHECK

Beat the clock

More information can be found in the Times Tables
Rock Stars' Parent Guide in your pack.

The Garage game mode is very clever and will adjust the questions your child is asked, ensuring they are always working on the facts they need to improve.



Multiplayer Games



FESTIVAL

Race the world



ARENA

Race your class



ROCKSLAM

Challenge someone



Google Classroom

Links to useful websites:-
Year 4 Maths Workshop 2023
Online X Tables Practice

[Enter code](#)[Teacher ▼](#)[Parent ▼](#)[Sign up](#)[Log in](#)

Prep-FREE math practice for your class

Transform your math classes with 99math!
Empower your students to achieve fact fluency,
meet curriculum standards, and develop a passion
for math.

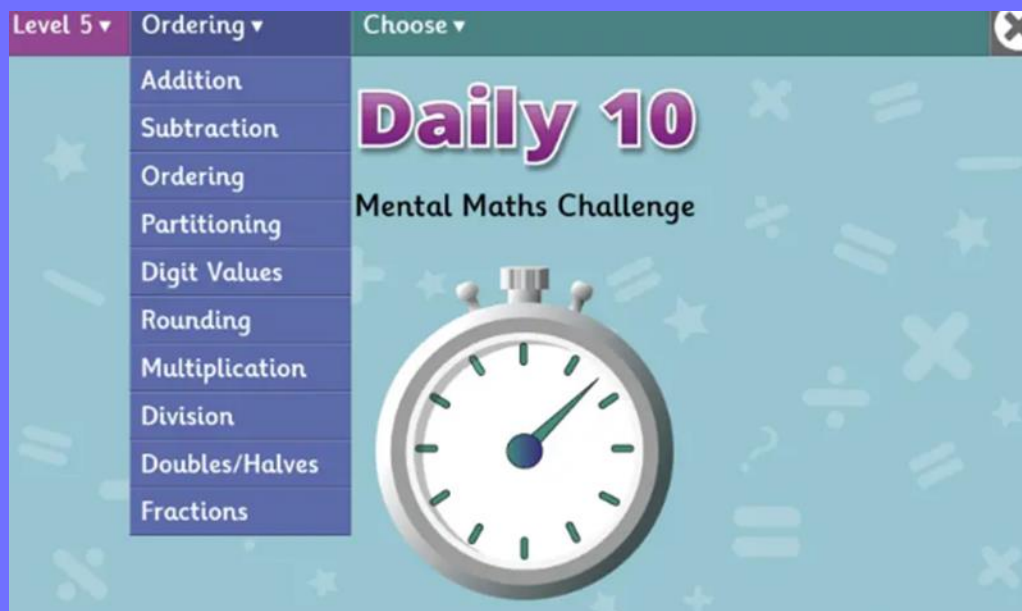
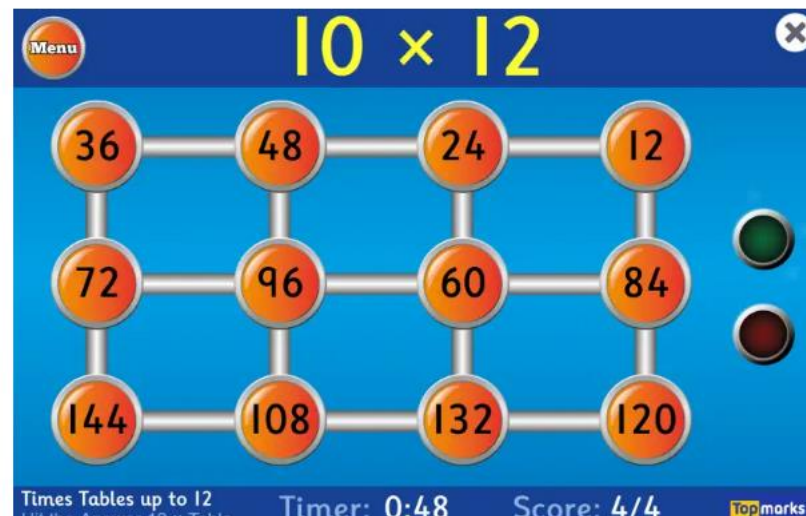
With group activities, individual practice, and play-at-home games, your students will boost their accuracy and confidence in math.

[Teacher, start here >](#)

Hit the Button

 Play Game

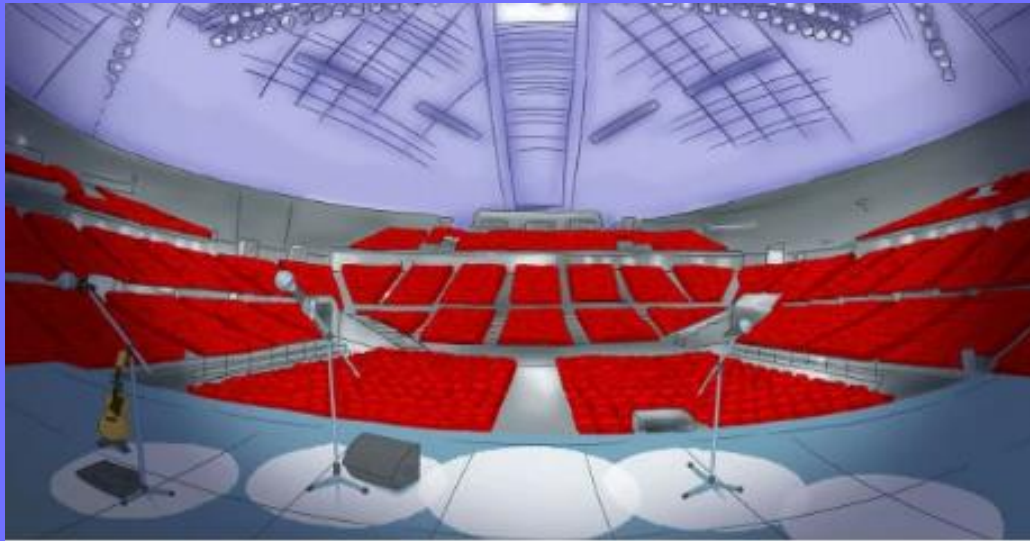
Hit the Button is an interactive maths game with quick fire questions on number bonds, times tables, doubling and halving, multiples, division facts and square numbers. The games, which are against the clock, challenge and develop mental maths skills. An untimed, practise mode is available in our [Hit the Button app](#) along with lots more extra features.



The Year 4 Multiplication Tables Check (MTC)

- Done online during school time.
- Monday 3rd June and Friday 14 June 2024.
- Practise sessions at school during May
- 25 times tables questions - only on multiplication (up to 12×12)
- 6 seconds to answer each question.
- no pass mark.
- Teachers will be able to apply for some children to be able to pause between questions.

TT Rock Stars Soundcheck simulates the Multiplication Tables Check



SOUNDCHECK

Beat the clock

Multiplication Tables Check

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 x 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' (see below).

Results can be downloaded and printed at the end of the test.

A similar activity which tests recall of [number bonds](#) can be found [here](#).

[For more multiplication games click here.](#)

Multiplication Table	Minimum number of items in each form	Maximum number of items in each form
1	Not applicable	Not applicable
2	0	2
3	1	3
4	1	3
5	1	3
6	2	4

MAIN MENU

Multiplication Tables Check

Time left: 2

3 x 8 =

24

Play game

1

2

3

4

5

6

7

8

9

⌫

0

ENTER

Time allowed: 6 seconds

Tables selected: All

Question 1 of 25

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**Other ways to improve recall
of Multiplication Tables.....**

There are lots of resources in your orange folder to take home.....

- Workshop Information booklet
- TT Rock Stars Information
- MTC information booklet
- Evaluation sheet
- Resources to play games.....



Resources include.....

- **Deck of playing cards**
- **1 to 12 dice**
- **Board games**
- **X tables fortune tellers**
- **X tables poster**
- **Multiplication Games booklet**

Positivity and encouragement

- Praise effort (even if answer is wrong)
- Suggest strategies to improve answers
- Enjoyment – learning is fun!
- Incentives and rewards
- Little and often
- Be positive about maths

Card Games



MULTIPLICATION SNAP (NORMAL)

**Information about how to play this and
other games can be found in your
Multiplication Games booklet.**

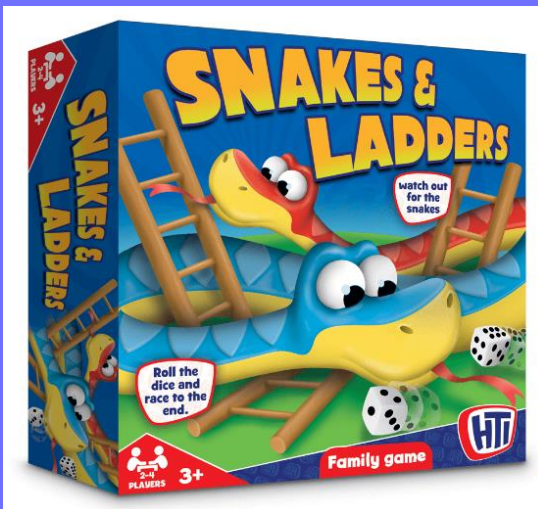
Dice Games



ROLL THE DICE GAME (VERSION 1)

**Information about how to play this and
other games can be found in your
Multiplication Games booklet.**


Board games and other popular games



Snakes and Ladders 2, 3, 4 and 5 Times Tables


You will need:

- the Snakes and Ladders Board Game;
- a dice;
- a counter per player.



How to play:

- Players take it in turns to roll the dice. The player with the highest number goes first, the player with the second highest goes second and so on.
- When it's their turn, players move the counter the number of spaces shown on the dice and answer the calculation they land on.
- If the answer given to the calculation is correct, play continues as usual:
 - landing on a snake's head - the player's counter slides down;
 - landing at the bottom of a ladder - the player's counter climbs up.
- If the answer given to the calculation is incorrect, the player misses a go.
- The first player to reach the finish is the winner!



20 $4 \times 5 =$	21 $5 \times 7 =$	22 $3 \times 5 =$	23 $2 \times 9 =$	Finish
19 $4 \times 4 =$	18 $2 \times 7 =$	17 $5 \times 5 =$	16 $3 \times 8 =$	15 $2 \times 2 =$
10 $2 \times 4 =$	11 $5 \times 6 =$	12 $3 \times 9 =$	13 $4 \times 2 =$	14 $2 \times 6 =$
9 $4 \times 9 =$	8 $2 \times 3 =$	7 $3 \times 4 =$	6 $4 \times 6 =$	5 $5 \times 8 =$
Start	1 $5 \times 2 =$	2 $3 \times 6 =$	3 $2 \times 8 =$	4 $4 \times 3 =$

Copies of these and other games/activities can be found in your Pack.

Blockbusters Multiplication facts $\times 4$

	12	16	32	
40	8	4	28	44
44	16	24	32	8
48	28	12	36	40
36	4	32	16	48
	12	36	8	



Thank you for coming to our
Year 4 Workshop!



Any Questions?

Please stay in touch....

If your child has a particular element of maths they are struggling with, speak to us and we will do our best to suggest a game to help in a fun and engaging way.



Please complete the evaluation
sheet in your pack and return it
to school.
Thank You!