

# Year 4 Multiplication Tables and the Multiplication Tables Check

## Parent Information Briefing

We'll start at 4.30pm





**Recording starting.** Please switch off your webcam and microphone throughout the briefing.



# **Year 4 Multiplication Tables and the Multiplication Tables Check**

## **Parent Information Briefing**



# This Meeting

- What do we mean by Multiplication Tables?
- Why do we learn Multiplication Tables?
- The Multiplication Tables Check (MTC)
- How we can support children to learn their tables



# Questions



# What do we mean by Multiplication Tables?

- Multiplication facts
- 1 x 1 up to 12 x 12
- Linked division facts and associated facts
- ‘Instant’ recall – FLUENCY!



# Why do we learn Multiplication Tables?

- Multiplication facts underpin a lot of maths knowledge:
  - Division
  - Fractions
  - Percentages
  - Multiplication
  - Number sequences
  - Many more!
- All these areas when linked to problem solving
- Expectations ( $\times$  and  $\div$ ) from Y1 – 4 in the National Curriculum



# What do we mean by Multiplication Tables?

- Multiplication facts
- 1 x 1 up to 12 x 12
- Linked division facts and associated facts
- ‘Instant’ recall – FLUENCY!





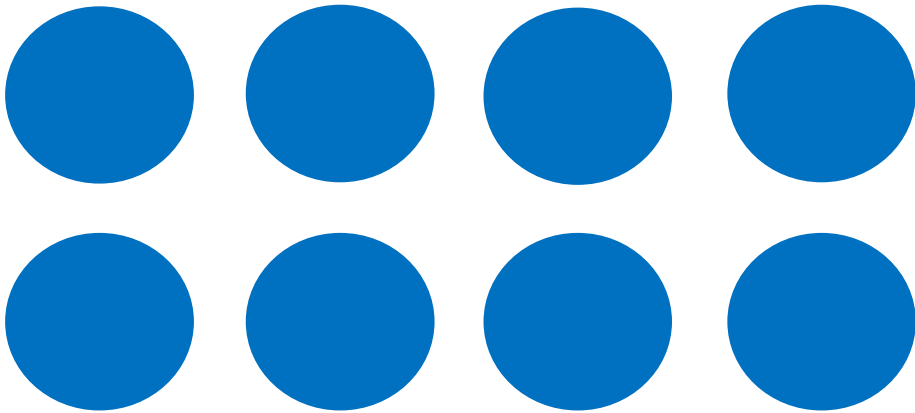
# Counting and looking for patterns

- Counting in 2s (2, 4, 6, 8, 10...)
- Ensure children have a strong understanding of counting in groups first.
- When children are secure with counting, they can then look for patterns.



# Repeated Addition

- $2 \times 4 = 2 + 2 + 2 + 2$



Sam



Chen



Krishna



Alex



$$2 + 2 + 2 + 2 = ?$$

# Multiplication is commutative

- $3 \times 2$  is the same as  $2 \times 3$ .

Arrays for  $2 \times 3$

3 lots of 2 = 6



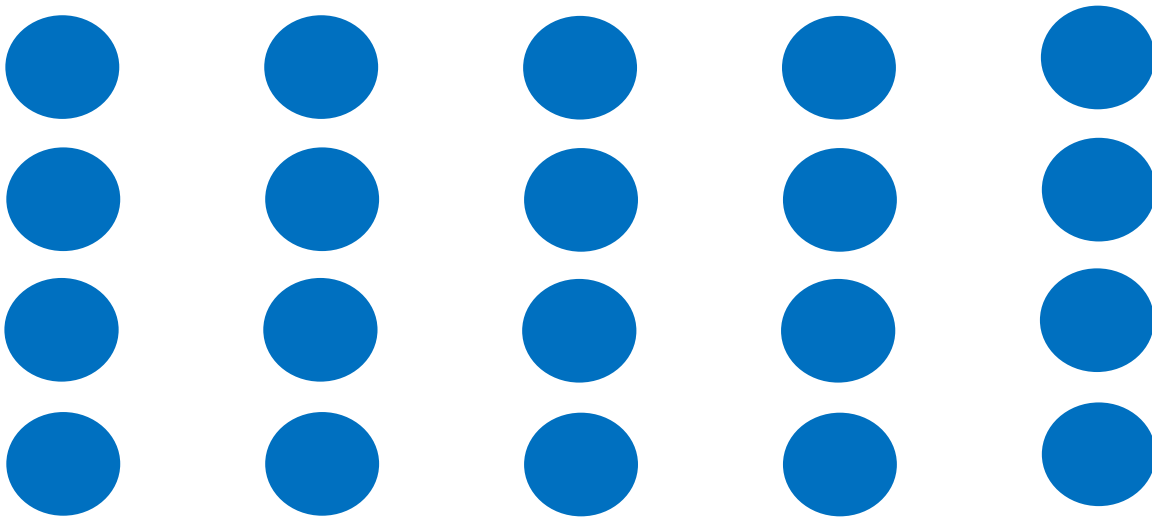
3

2 lots of 3 = 6



# Multiplication is the inverse of division

- $20 \div 5 = 4$  can be worked out because  $5 \times 4 = 20$



# Using known facts

$$7 \times 12 = ?$$

I know  $7 \times 11 = 77$

Therefore,  $77 + 7 = 84$



# The Multiplication Tables Check (MTC)

- Determines whether pupils can fluently recall their multiplication tables.
- Helps schools to identify pupils who require additional support.
- No 'pass' rate or threshold.
- Statutory – all schools must administer the check
- The Department for Education (DfE) will create a report about the overall results across all schools in England, not individual schools.
- All our Year 4 pupils in England will take the check in June
- No set day to administer the check
- Not all pupils will take the check on the same day



# The Multiplication Tables Check (MTC)

- The check will be **fully digital** and take place on screen.
- Children are able to use laptops, desktops and tablets – we will use desktop computers.
- Answers will be entered using a keyboard.
- For most pupils, the multiplication check will take **less than 5 minutes**  
Children will get **6 seconds** from the time the question appears to input their answer.
- There will be **25 questions** with a **3 second pause** in-between questions.
- There will be **3 practice questions** before the check begins.



# The Multiplication Tables Check (MTC)

- Each pupil will be **randomly assigned** a set of questions.
- There will be repeated questions across different checks each year, but no more than 30% of questions will be repeated in any two checks.
- Children will **only face multiplication statements** in the check (not related division facts).
- Pupils will not see their individual results when they complete the check.





# The Multiplication Tables Check (MTC)

- There will always be questions from the 3, 4, 5, 6, 7, 8, 9, 11 and 12 multiplication tables in each check.
- There will be no questions from the 1 times table (i.e  $1 \times 8$  or  $8 \times 1$ ).
- The 6, 7, 8, 9 and 12 times tables are more likely to be asked.
- There will only be a maximum of 7 questions from the 2, 5 and 10 times tables.
- Reversal of questions will not feature in the same check.



# The Multiplication Tables Check (MTC)

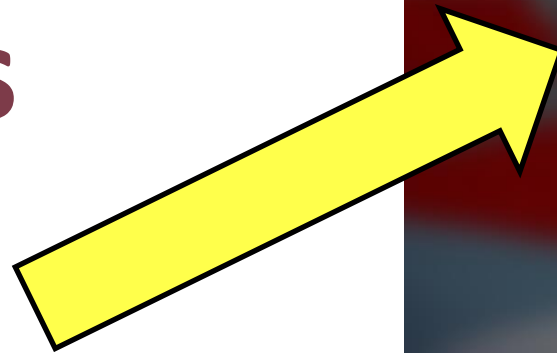
The following 11 multiplication questions are more likely to be asked (and their reverses):

- $6 \times 6$ ,  $6 \times 7$ ,  $6 \times 8$ ,  $6 \times 9$ ,  $6 \times 12$
- $7 \times 8$ ,  $7 \times 9$ ,  $7 \times 12$
- $8 \times 9$ ,  $8 \times 12$
- $12 \times 12$



Opportunities  
to practise

TT Rockstars



**SINGLE PLAYER**



**MULTIPLAYER**





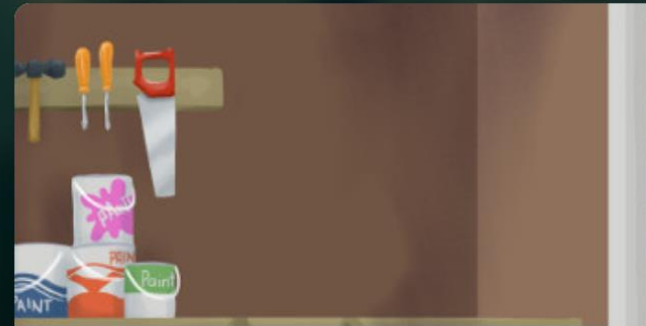
## JAMMING

Take it easy



## GIG

Perform once a month



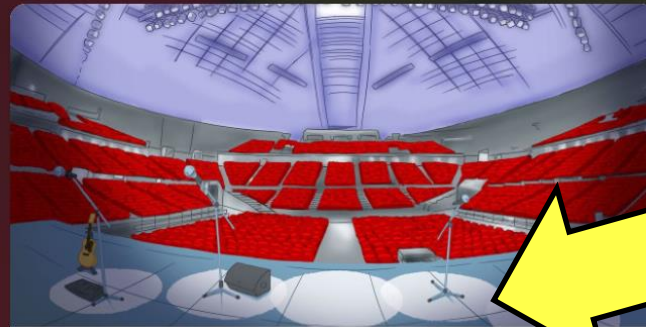
## GARAGE

Complete your heatmap



## STUDIO

Get a rock status



## SOUNDCHECK

Beat the clock



### TABLES

All tables  
25 Questions

### MODE

Play solo  
6 Seconds per question

### COINS

5 per correct answer

SCORE HISTORY

Sound

 Play



Invert ↻

$$5 \times 7 =$$

# Opportunities to practise

# Maths Frame

The screenshot shows the 'Multiplication Tables Check' interface. At the top left is a 'MAIN MENU' button. The title 'Multiplication Tables Check' is in red. A 'Time left: 2' timer is in the top right. The main display area shows the equation  $3 \times 8 =$  followed by a box containing the answer '24'. Below the equation is a blue 'Play game' button with a white play icon. To the right is a numeric keypad with buttons for digits 1-9, 0, and an 'ENTER' button. A small box at the bottom left of the interface shows 'Time allowed: 6 seconds' and 'Tables selected: All'. At the bottom, it says 'Question 1 of 25' and 'MATHSFRAME.CO.UK'.

<https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check>



# Questions and Discussion

**(Stop Recording)**

