



# Welcome

## Times Tables Information Session

Mr Turner

October 2023

- Respect

- Responsibility

- Perseverance

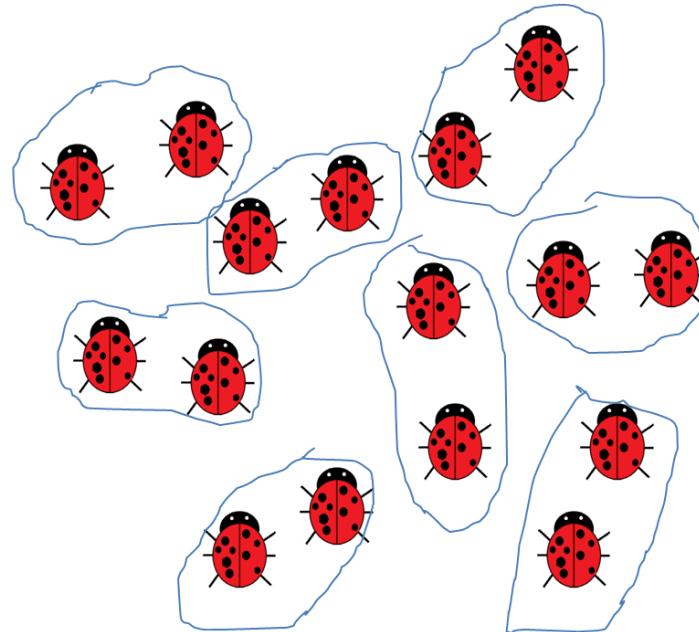


# Times Tables are vital to the curriculum throughout school

## Reception and Year 1

Some children may start grouping objects in twos

Some children may count on or back in fives and tens



- Respect

- Responsibility

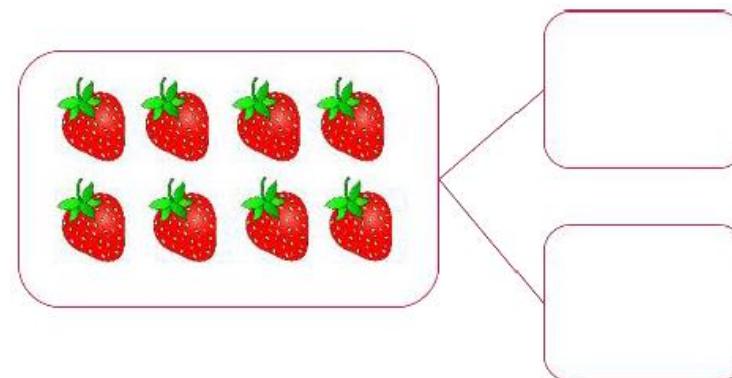
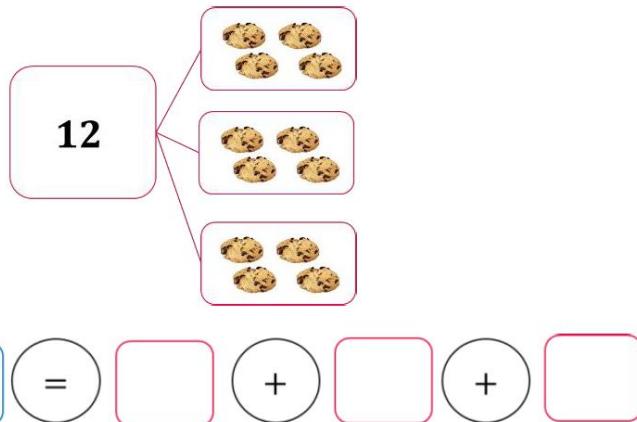
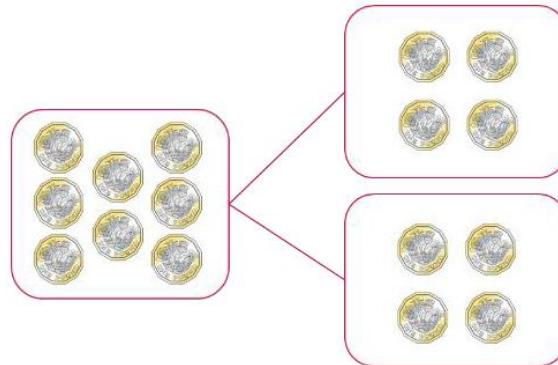
- Perseverance



## Reception and Year 1

Some children may start grouping objects in twos

Some children may count on or back in fives and tens



- **Respect**

- **Responsibility**

- **Perseverance**



# Times Tables are vital to the curriculum throughout school

## Year 2

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

$$2 \times 5 = 10$$

$$5 \times 2 = 10$$

$$10 \div 2 = 5$$

$$10 \div 5 = 2$$

- Respect

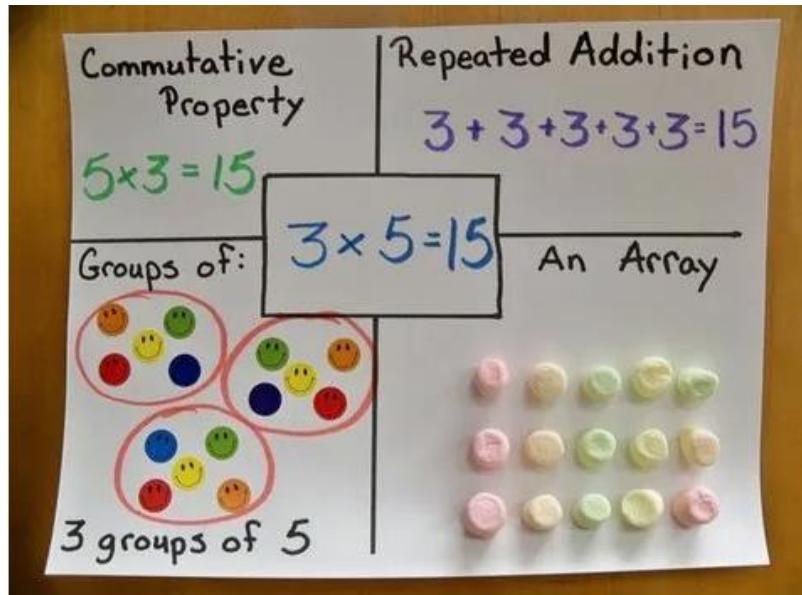
- Responsibility

- Perseverance

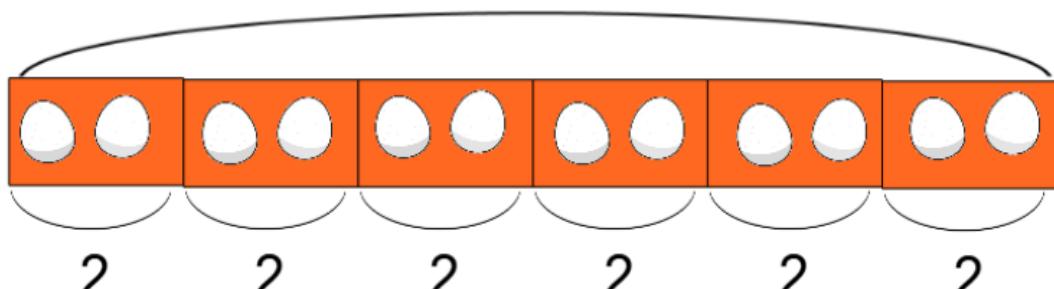


## Year 2

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

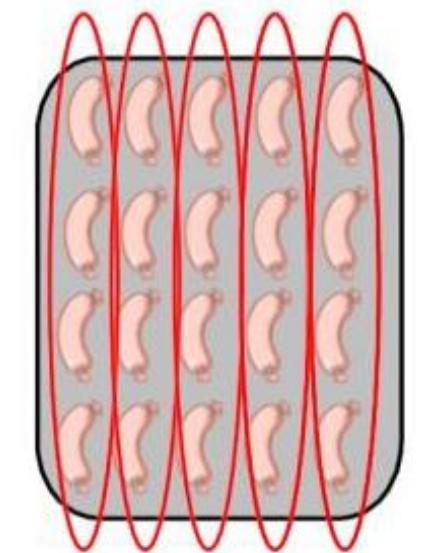


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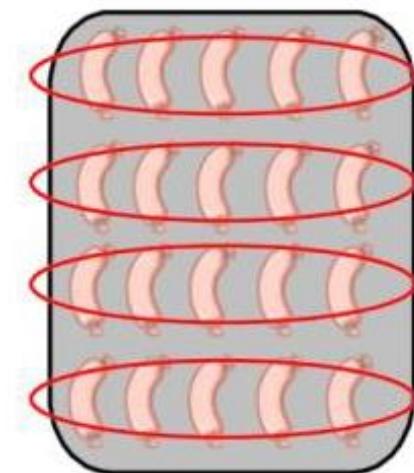


- Respect

- Responsibility



$5 \times 4$



$4 \times 5$

- Perseverance



# Times Tables are vital to the curriculum throughout school

## Year 3

Know and recall multiplication and division facts for 3, 4, 6 and 8

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

$$15 \div 3 = 5$$

$$15 \div 5 = 3$$

$$24 \times 3$$

- Respect

- Responsibility

- Perseverance

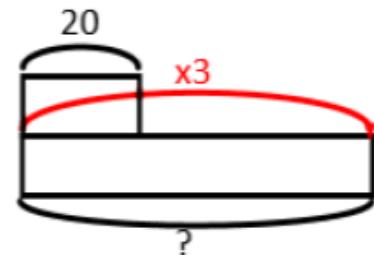
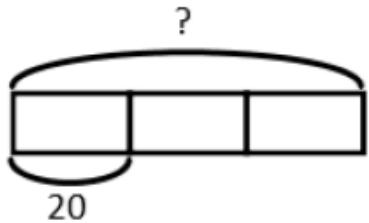


## Year 3

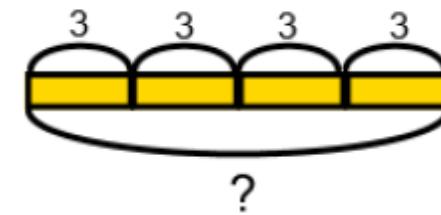
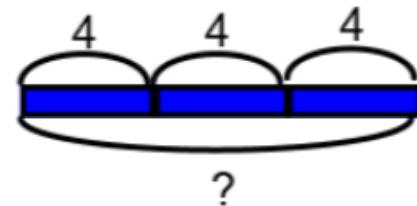
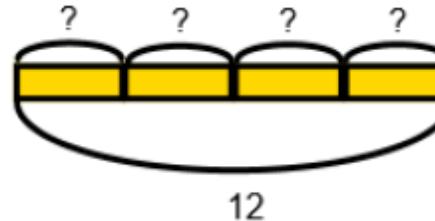
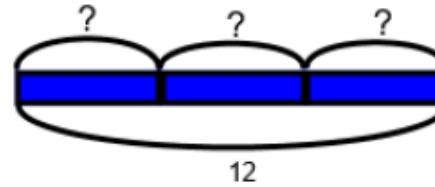
Know and recall multiplication and division facts for 3, 4, 6 and 8



**Robin shot his arrow three times as far as the Sheriff. The Sheriff's arrow went 20 metres. How far did Robin shoot his arrow?**



**Friar Tuck cooked three bags of sausages. There were 20 sausages in each bag. How many sausages did he cook?**



- **Respect**

- **Responsibility**

- **Perseverance**



# Times Tables are vital to the curriculum throughout school

## Year 4

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

$$3 \times 12 = 36$$

$$12 \times 3 = 36$$

$$36 \div 3 = 12$$

$$36 \div 12 = 3$$

$$274 \times 7$$

$$672 \div 7$$

$$23 \times 10 \times 3$$

- Respect

- Responsibility

- Perseverance

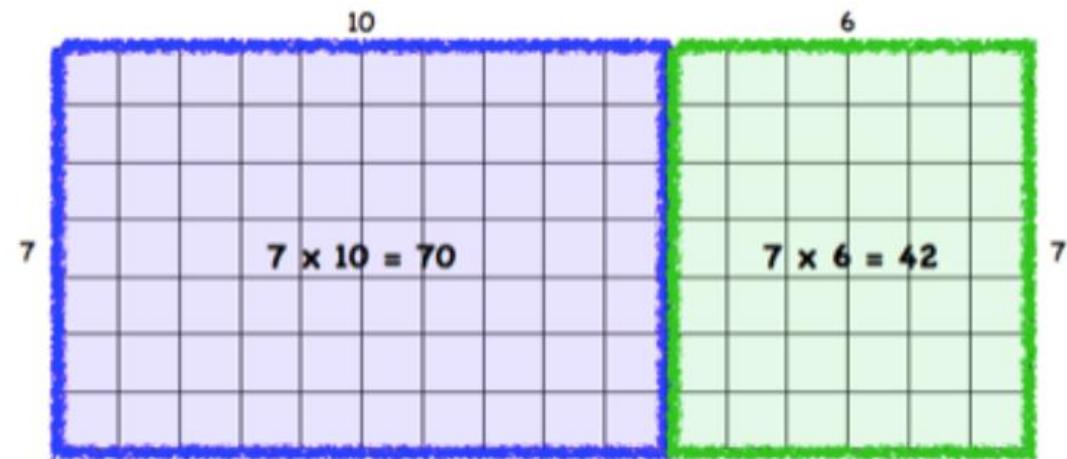


## Year 4

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

$$7 \times 16 =$$

$$7 \times (10 + 6) =$$



4. Circle the odd one out.

T	O
● ● ●	● ●
● ● ● ●	● ●
● ● ● ●	● ●
● ● ● ●	● ●
● ● ● ●	● ●
● ● ● ●	● ●

A.

• Respect

B.

	3	2
x		7



• Responsibility

• Perseverance



# Year 4 Multiplication Tables Check (MTC)

*“Leaving primary school with a fundamental grasp of basic numeracy is as important as leaving being able to read. And just as the phonics check has helped more children learn to read, this will ensure more pupils know their times tables.”*

Nick Gibb, Schools Minister

- **Respect**

- **Responsibility**

- **Perseverance**



# Year 4 Multiplication Tables Check (MTC)

3 week window in June

Children expected to answer 25 multiplication questions (all tables up to 12x12)

6 seconds per question: recall rather than working out!

Automatic scoring out of 25. Data reported to schools at the end of June; parents informed.

Children only considered fluent in their times tables if they achieve **full marks** in the assessment.

- **Respect**

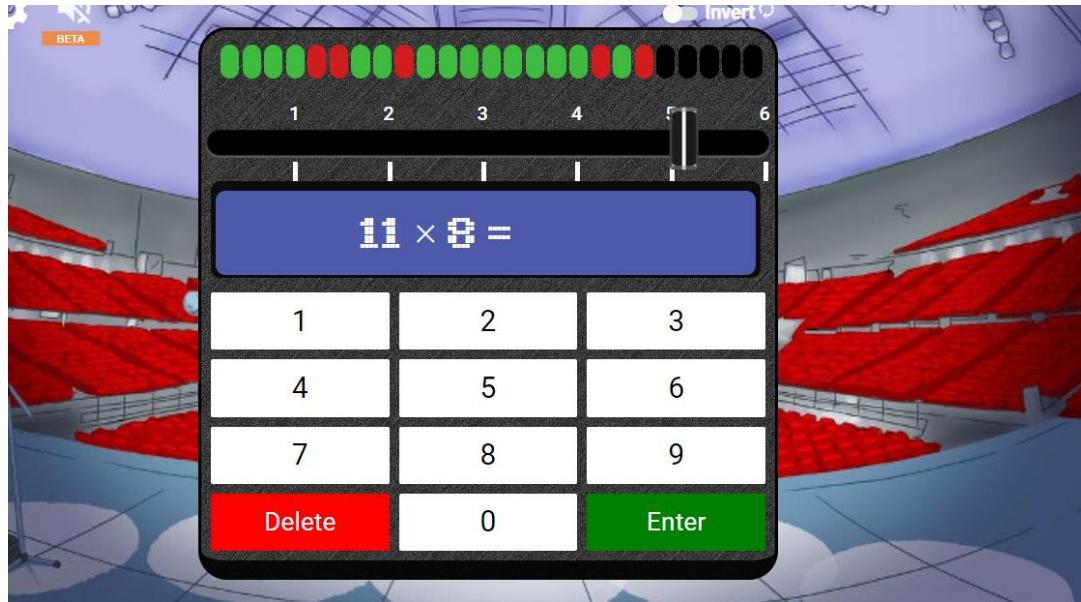
- **Responsibility**

- **Perseverance**

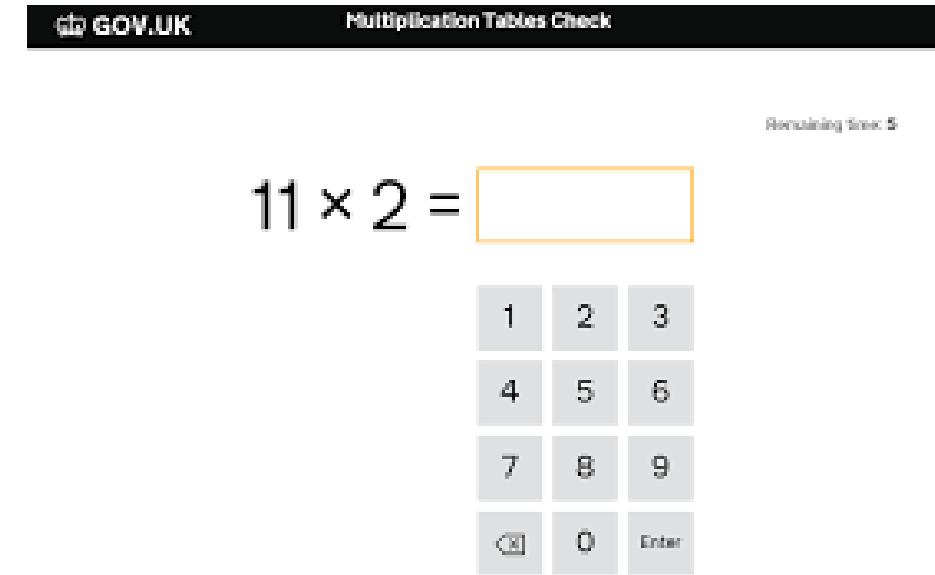


# An example...

- TTRS - Soundcheck



- Multiplication Tables Check (MTC)



- Respect

- Responsibility

- Perseverance



# Access Arrangements

Access arrangements can be made for children who:

- have an Education, Health and Care (EHC) plan
- have an Individual Education Plan (IEP)
- have English as an additional language and have limited fluency in English

If you have any questions, please ask at the end

• **Respect**

• **Responsibility**

• **Perseverance**



# What if my child does not achieve full marks in the MTC?

The MTC serves as a helpful tool to identifying children with gaps in their mathematical knowledge.

Those who do not achieve full marks in the MTC will receive further additional support to plug any gaps in their times table knowledge in Years 5 and 6.

- **Respect**

- **Responsibility**

- **Perseverance**



Children who are not fluent in their times tables by the end of Year 4 will struggle to access the Year 5 and Year 6 curriculum, making learning new skills and concepts far more difficult.

- **Respect**

- **Responsibility**

- **Perseverance**

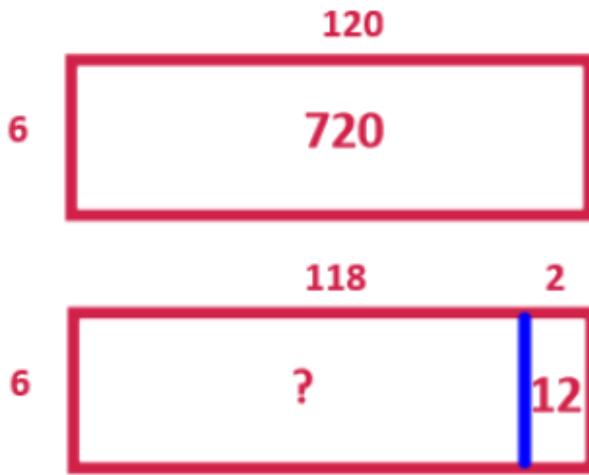


# Times Tables are vital to the curriculum throughout school

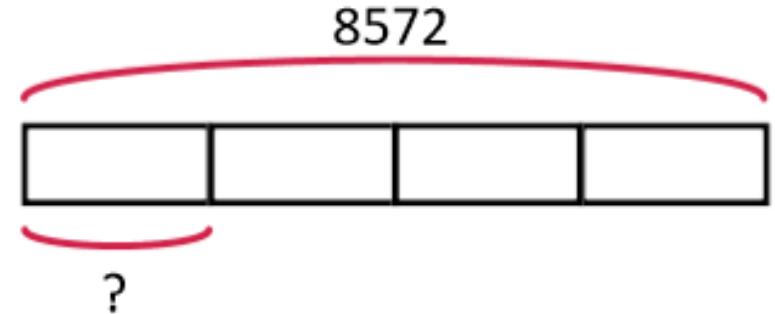
## Year 5

Children are expected to be fluent in their times tables up to 12x

Know and recall squared and cubed numbers (  $3 \times 3$  ,  $3 \times 3 \times 3$  )



- $4623 \times 45$
- $4724 \div 8$
- $40 \times 700$
- $5 \times 90$
- What is one twelfth of 36?
- Equivalent fractions  $3/5 = 12/20$



• Respect

• Responsibility

• Perseverance



# Times Tables are vital to the curriculum throughout school

## Year 6

Children are expected to be fluent in their times tables up to 12x by the end of Year 4.

$$3624 \times 76$$

$$3624 \div 65$$

What is nine tenths of 70?

$$0.9 \times 200$$

What is 71% of 1800?

$$2/6 \times 1/9$$

Ratio

$ab = 36$ . What are the possible values of a and b?

- **Respect**

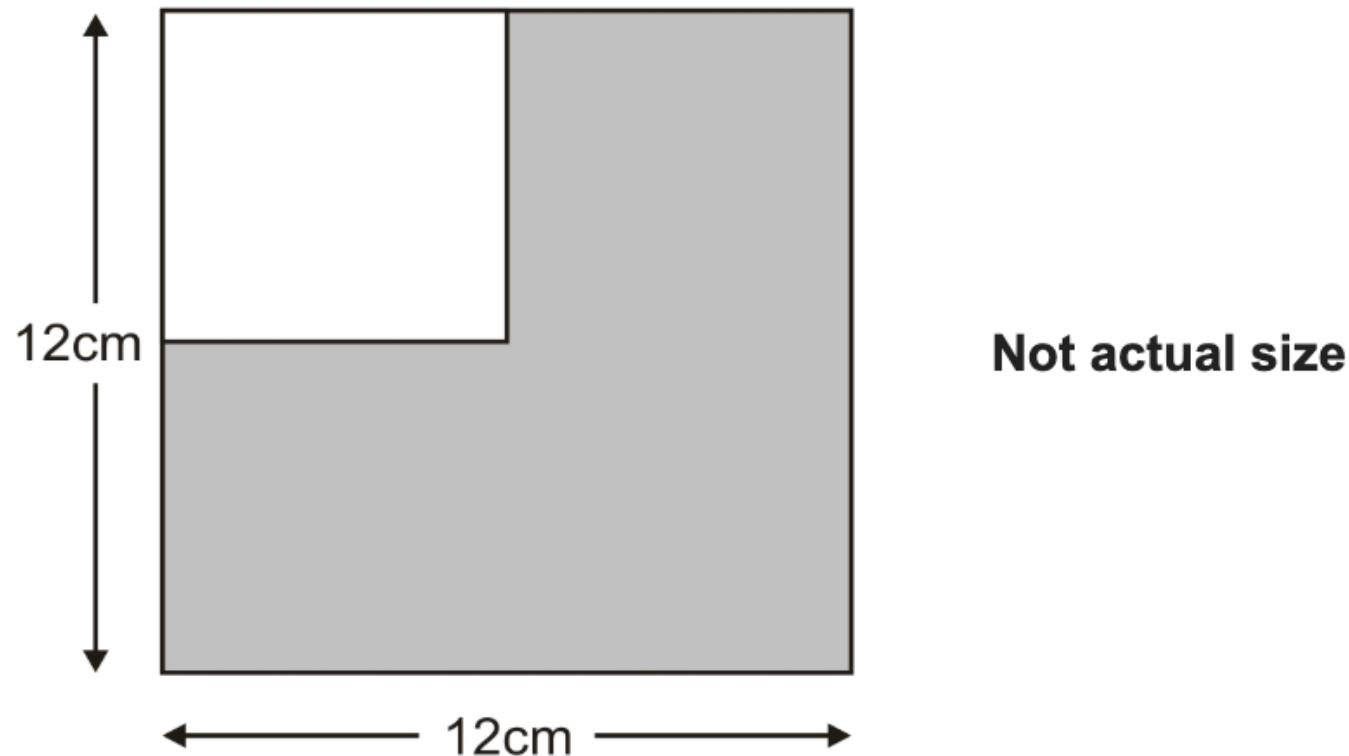
- **Responsibility**

- **Perseverance**



A white square is painted in one corner of a grey square.

Each side of the white square is **half** the length of a side of the grey square.



- **Respect**

- **Responsibility**

- **Perseverance**



Tick the fractions **less than**  $\frac{5}{8}$

$$\frac{1}{2}$$

$$\frac{2}{8}$$

$$\frac{3}{4}$$

$$\frac{7}{16}$$

$$\frac{24}{32}$$

Write the two missing digits to make this **long multiplication** correct.

$$\begin{array}{r} & & 2 & 3 & 5 \\ \times & & & & 3 \\ \hline & & 9 & 7 & 0 & 5 \\ \hline 1 & 6 & 1 & 7 & 5 & 0 \\ \hline 1 & 7 & 1 & 4 & 5 & 5 \\ \hline \end{array}$$

• Respect

• Responsibility

• Perseverance





The International Space Station orbits the Earth at a height of 250 miles.

What is the height of the International Space Station in **kilometres**?

Use 8 kilometres equals 5 miles.

The length of an alligator can be estimated by:

- measuring the distance from its eyes to its nose
- then multiplying that distance by 12

What is the **difference** in the estimated lengths of these two alligators?



Not to scale

Show  
your  
method

10 cm

Show your method

cm

A 10x10 grid of light blue squares on a white background. A black rectangular frame is drawn on the grid, spanning from the 7th column to the 9th column and from the 4th row to the 7th row. The word 'cm' is written in the bottom right corner of this frame. To the left of the grid, a black callout box contains the text 'Show your method'. In the bottom right corner of the grid, outside the frame, the word 'cm' is also written.

2 marks

km

- **Respect**

- **Responsibility**

- **Perseverance**



# How do we help the children in school?

Times tables are rehearsed 3 times a week.

They are taught regularly as part of your child's maths lessons.

All children have access to a Times Table Rock Stars account.



Analysis of data to target gaps.

- **Respect**

- **Responsibility**

- **Perseverance**



# How can you help at home?

- Encourage at least 5 minutes, 7 days a week on TTRS - establish a routine!
- Concentrate on one times table at a time – refer to TTRS Garage!
- Quiz randomly and regularly – low stakes
- Use wall charts
- Create flashcards and play games like snap or matching them up in specific time. This works well as a competition between siblings, parents etc
- Challenge your children to 'beat Siri' in their times tables!
- Encourage them to challenge their friends, teacher or me on Rock Slam

• **Respect**

• **Responsibility**

• **Perseverance**



**BONGO RIDDLE**  
NEW ARTIST

Play in the studio to set your speed  
0

Profile

My Stats

Charts

Settings

Logout

- Respect

- Responsibility

- Perseverance





## SINGLE PLAYER

Game types explained



### JAMMING

Take it easy



### GIG

Perform once a month



### GARAGE

Complete your heatmap



### STUDIO

Get a rock status



### SOUNDCHECK

Beat the clock

- Respect

- Responsibility

- Perseverance





## MULTIPLAYER

Game types explained



### FESTIVAL

Race the world



### ARENA

Race your class



### ROCKSLAM

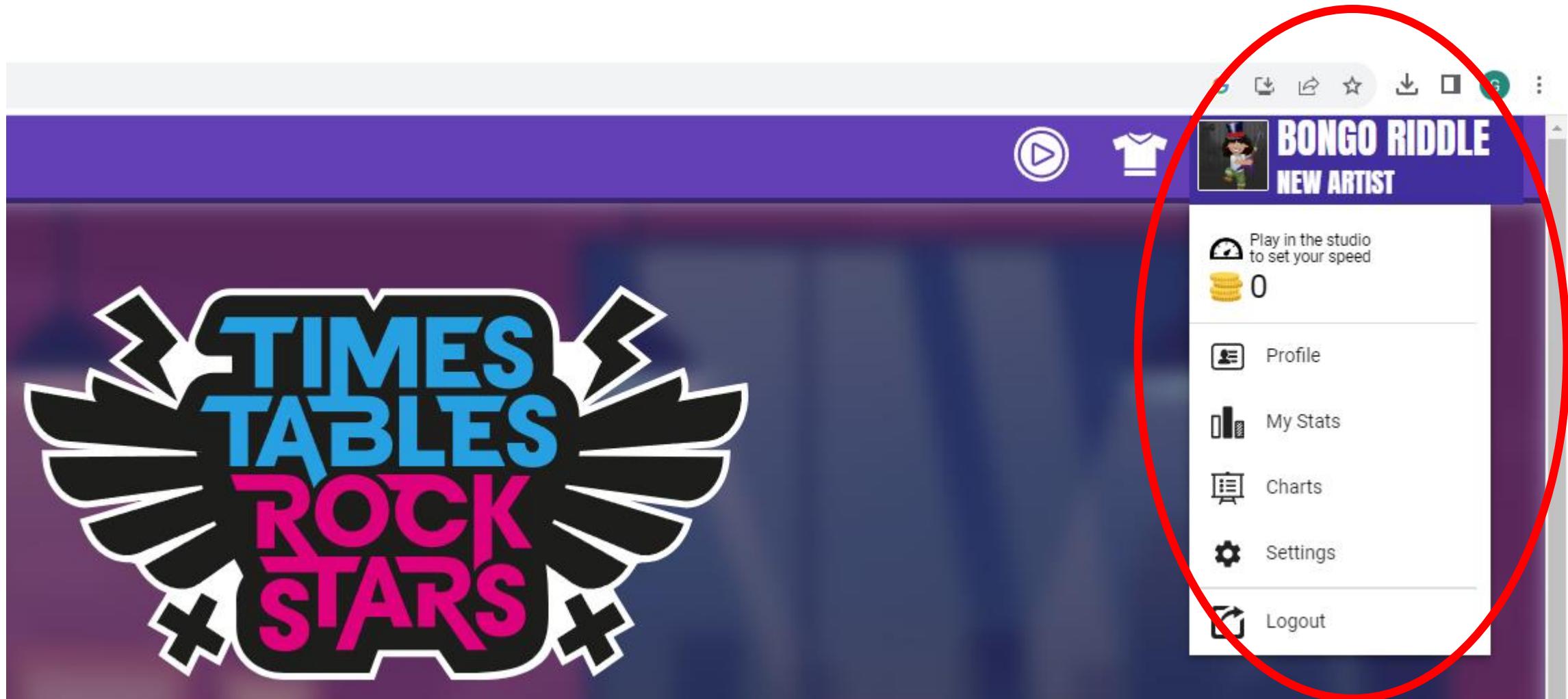
Challenge someone

- Respect

- Responsibility

- Perseverance





- Respect

- Responsibility

- Perseverance



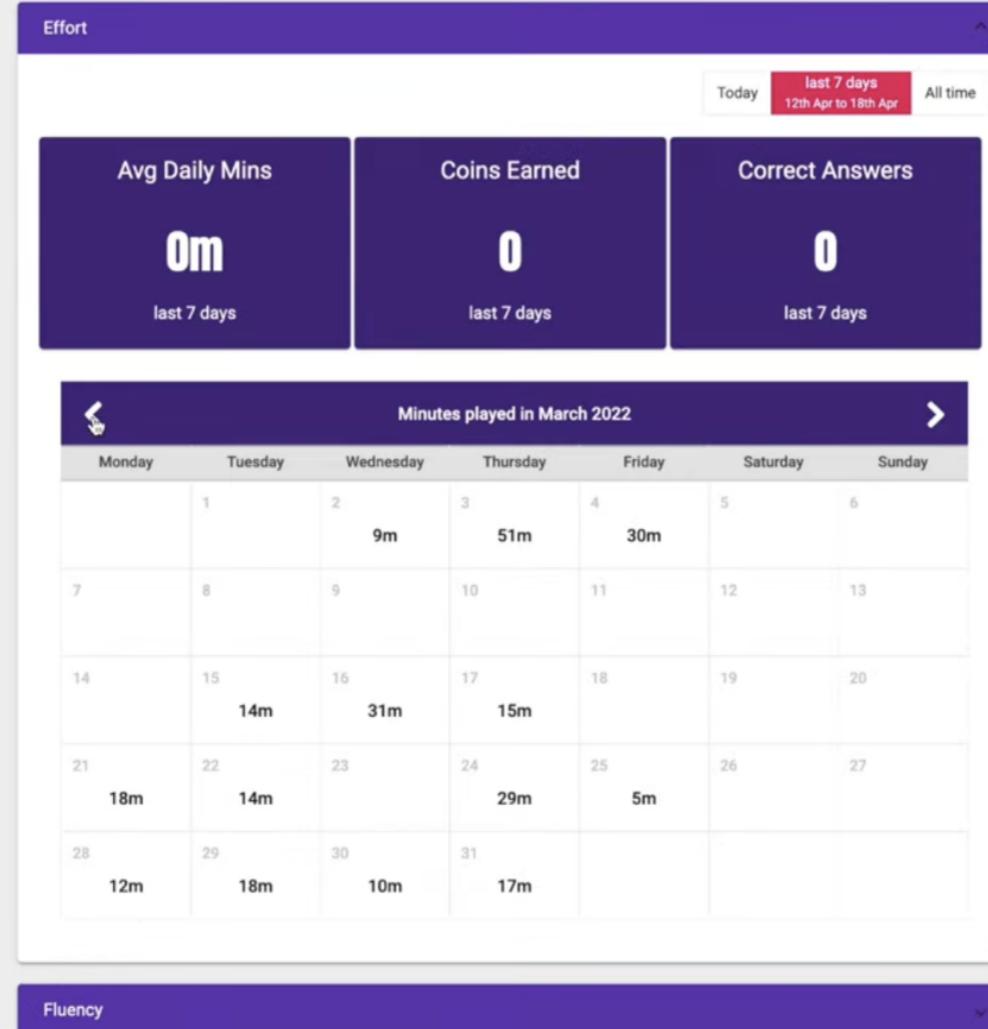
													Grouped	Basic
	1	2	5	10	3	4	8	6	7	9	11	12		
1	1×1	1×2	1×5	1×10	1×3	1×4	1×8	1×6	1×7	1×9	1×11	1×12		
2	2×1	2×2	2×5	2×10	2×3	2×4	2×8	2×6	2×7	2×9	2×11	2×12		
5	5×1	5×2	5×5	5×10	5×3	5×4	5×8	5×6	5×7	5×9	5×11	5×12		
10	10×1	10×2	10×5	10×10	10×3	10×4	10×8	10×6	10×7	10×9	10×11	10×12		
3	3×1	3×2	3×5	3×10	3×3	3×4	3×8	3×6	3×7	3×9	3×11	3×12		
4	4×1	4×2	4×5	4×10	4×3	4×4	4×8	4×6	4×7	4×9	4×11	4×12		
8	8×1	8×2	8×5	8×10	8×3	8×4	8×8	8×6	8×7	8×9	8×11	8×12		
6	6×1	6×2	6×5	6×10	6×3	6×4	6×8	6×6	6×7	6×9	6×11	6×12		
7	7×1	7×2	7×5	7×10	7×3	7×4	7×8	7×6	7×7	7×9	7×11	7×12		
9	9×1	9×2	9×5	9×10	9×3	9×4	9×8	9×6	9×7	9×9	9×11	9×12		
11	11×1	11×2	11×5	11×10	11×3	11×4	11×8	11×6	11×7	11×9	11×11	11×12		
12	12×1	12×2	12×5	12×10	12×3	12×4	12×8	12×6	12×7	12×9	12×11	12×12		
	0-1s	1-2s	2-3s	3-4s	4-5s	5-6s	6-7s	7-8s	8-9s	9-10s	10-11s	11-12s		

- Respect

- Responsibility

- Perseverance





- Respect

- Responsibility

- Perseverance



Sessions					
End Date	Game type	Games Played	% Completed	Avg Speed (sec/qu)	% Accuracy
1 month ago	Garage	30/30	100%	3.9	96
1 month ago	Studio	0/30	0%	0.0	0
2 months ago	Garage	30/30	100%	5.6	94
2 months ago	Studio	30/30	100%	1.2	92
2 months ago	Studio	30/30	100%	1.2	95
2 months ago	Garage	30/30	100%	1.4	96
2 months ago	Garage	30/30	100%	1.5	96
2 months ago	Studio	0/30	0%	0.0	0
2 months ago	Studio	30/30	100%	1.2	95
2 months ago	Garage	30/30	100%	1.4	97

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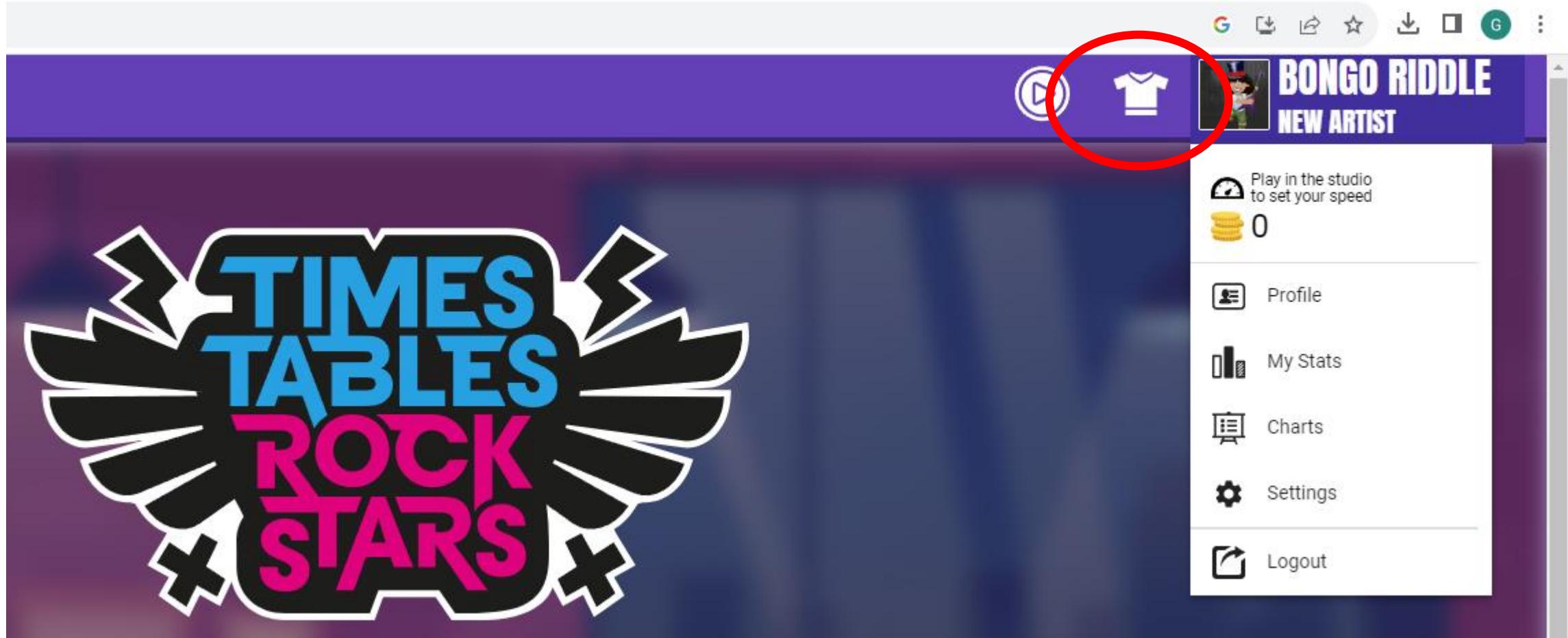


- Respect

- Responsibility

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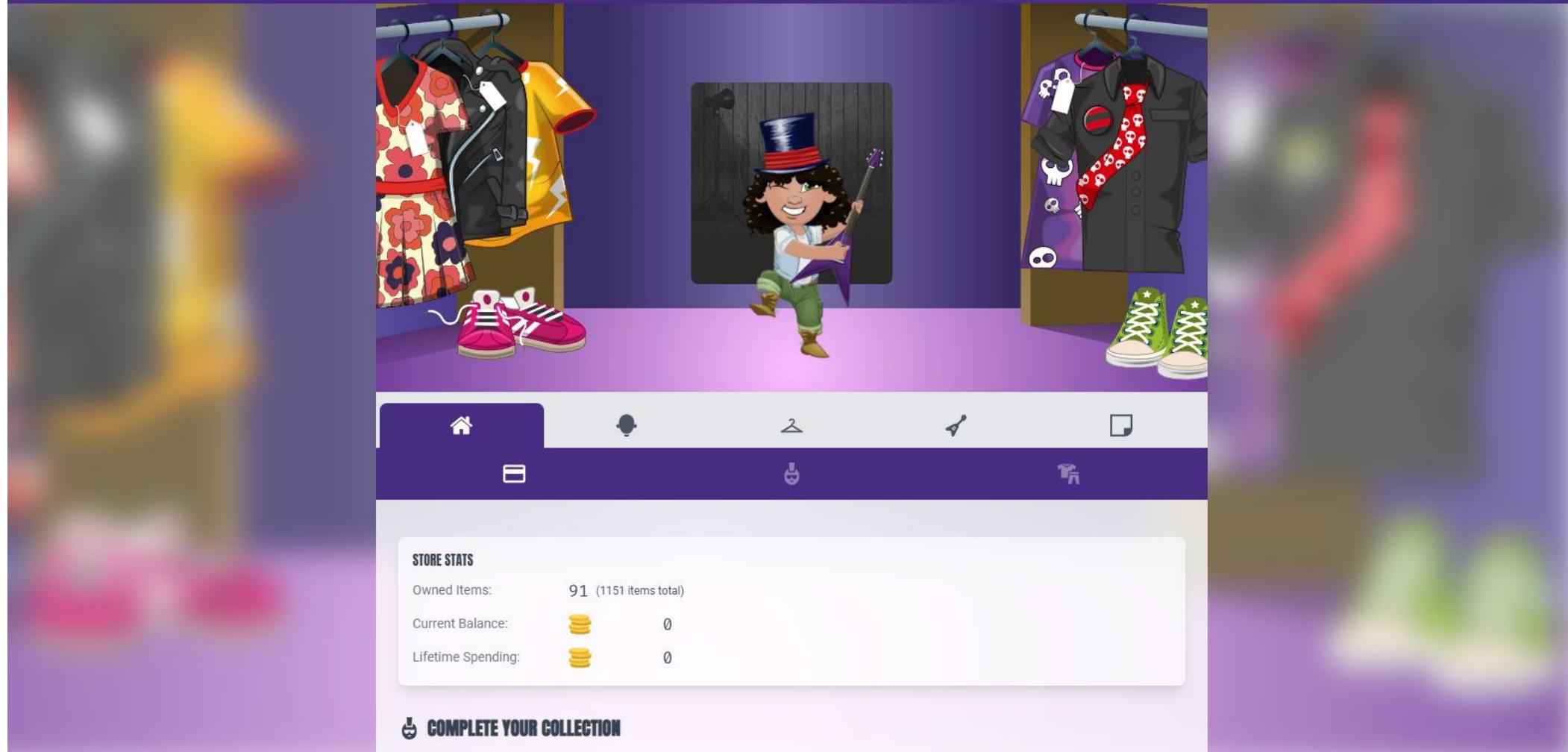


- Respect

- Responsibility

- Perseverance





- Respect

- Responsibility

- Perseverance





# Questions

- Respect
- Responsibility
- Perseverance

