

Welcome to the Year 4 Information evening for the Multiplication Tables Check

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These are examples of questions that are taught in our Maths curriculum in Year 6. Have a look whilst we're waiting to start!

$$x = 2c + 6$$

Whitney says,



$x = 12$ because c must be equal to 3 because it's the 3rd letter in the alphabet

Is Whitney correct?

Amir says,

When $c = 5$, $x = 31$

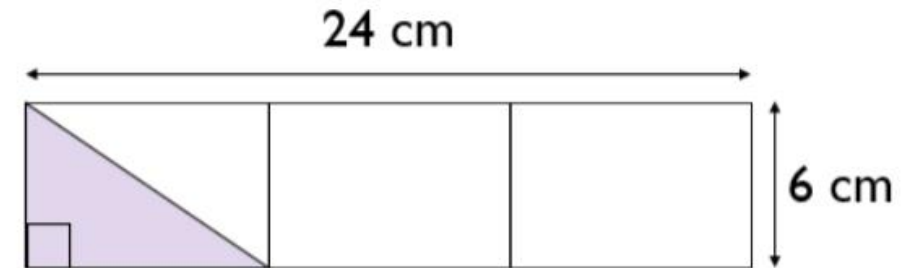


Amir is wrong.

Explain why.

What would the correct value of x be?

Calculate the area of the shaded triangle.



Mo says,



I got an answer of 72 cm^2

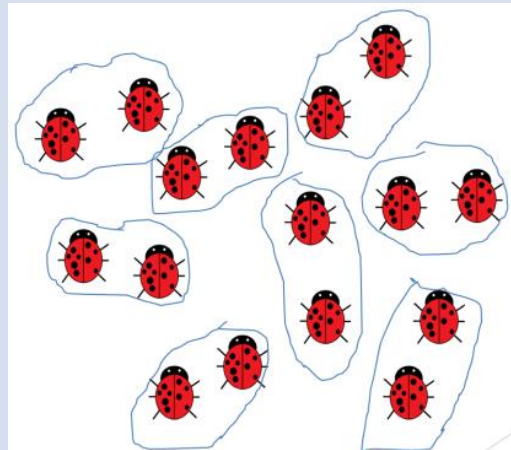
Do you agree with Mo?

If not, can you spot his mistake?

Times Tables knowledge is vital throughout the whole school curriculum.

When your child was at the Infant school they would have experienced them like this.

Reception and Year 1 - Some children may start grouping objects in twos Some children may count on or back in fives and tens



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

$$2 \times 5 = 10$$

$$5 \times 2 = 10$$

$$10 \div 2 = 5$$

$$10 \div 5 = 2$$

Times Tables knowledge is vital throughout the whole school curriculum.

In Year 3

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

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

$$15 \div 3 = 5$$

$$15 \div 5 = 3$$

Answer questions like

$$36 \times 4$$

Magic Maths

2	x	4	=	5	x	4	=
4	x	4	=	10	x	4	=
8	x	4	=				
3	x	4	=				
6	x	4	=				
12	x	4	=				

Rolling Numbers/Multiplication Songs

Rolling numbers are call and response songs that help students to recall times tables. As we call out each number we put another finger up.

Teacher: I've been telling everyone how good you are at maths.

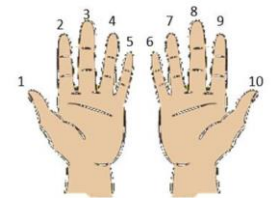
Class: No lies, true say.

Teacher: Can you roll your _____?

Class: Yes!

Teacher: Palms up!

Teacher: Team! Team! Good as gold! Let me see your fingers roll... the _____!



Twos

2, 4, 6, 8

Who do we appreciate?

10, 12, 14, 16

Do you want to hear some more?

18, 20, 22,

24 and STOP! **Clap on stop.**

Fives (to the tune of We Will Rock You)

You! Clap the beat at the start

We will, we will impress you

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55,

60

We have places we wanna go!

Tens (marching style – left, left,

left, right, left)

10, 20, 30, 40, 50

60, 70, 80, 90, 100

110, 120 Hur-ah!

In Year 4

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

$$3 \times 12 = 36$$

$$12 \times 3 = 36$$

$$36 \div 3 = 12$$

$$36 \div 12 = 3$$

Answer questions like

$$243 \times 6$$


$$673 \div 7$$

$$34 \times 10 \times 3$$

$$40 \times 700$$

$$5 \times 90$$

Magic Maths **Counting Stick x5**



$2 \times 5 = \square$	$3 \times 5 = \square$	$5 \times 5 = \square$
$20 \times 5 = \square$	$30 \times 5 = \square$	$50 \times 5 = \square$
$200 \times 5 = \square$	$300 \times 5 = \square$	$500 \times 5 = \square$
$100 \div 5 = \square$		
$150 \div 5 = \square$		
$250 \div 5 = \square$		



In Year 5

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

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

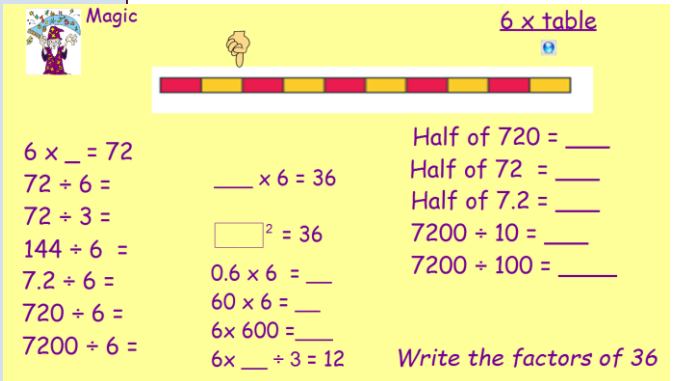
Answer questions like

$$4,623 \times 45$$

$$4724 \div 8$$

What is $\frac{1}{12}$ of 36?

$$\frac{3}{4} = \frac{?}{16}$$

A worksheet titled '6 x table' with a 'Magic' icon. It features a 6x6 grid of colored squares (red and yellow) and a list of math problems. The problems include multiplication and division facts for the number 6, as well as word problems and a factor-finding task.

6 x = 72
72 ÷ 6 =
72 ÷ 3 =
144 ÷ 6 =
7.2 ÷ 6 =
720 ÷ 6 =
7200 ÷ 6 =

 x 6 = 36
 ² = 36
0.6 x 6 =
60 x 6 =
6 x 600 =
6 x ÷ 3 = 12

Half of 720 =
Half of 72 =
Half of 7.2 =
7200 ÷ 10 =
7200 ÷ 100 =

Write the factors of 36

In Year 6

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

Answer questions like

$$5672 \times 48$$

$$4756 \div 43$$

What is $\frac{9}{10}$ of 90?

What is 60% of 420?

What is 52% of 3100?

Magic maths

What are all the factors of 8?

What are the first 3 multiples of 8?

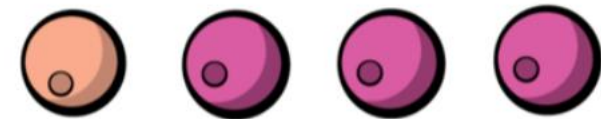
What are the common factors of 8 and 12?

What are the first 3 common multiples of 8 and 12?



8 x table
board game

Annie is making some necklaces to sell. For every one pink bead, she uses three purple beads.



Each necklace has 32 beads in total.

The cost of the string is £2.80

The cost of a pink bead is 72p.

The cost of a purple bead is 65p.

How much does it cost to make one necklace?

Times Tables are a vital part of understanding in Maths and also come into many other areas of the curriculum.

In Design Technology, to make one layer of a tower they use 4 pieces of wood so they can work out how many pieces they would need for 6 layers.



In Science, when carrying out experiments. For example if a toy car travels 2m in 10 seconds, how long will it take to travel 10m?



They are also so important in the real world.


- Working out the area to buy a carpet.
- Changing a recipe to suit the number required.
- When abroad and working out exchange rates.
- Calculating amounts when having a party.
- Number of bricks to build a wall.

Symbol	 USD	 EUR	 GBP	 AUD
 USD	1	0.7582	0.6292	0.9728
 EUR	1.3192	1	0.8299	1.2829
 GBP	1.5896	1.2049	1	1.5459
 AUD	1.0283	0.7794	0.6468	1



Pancake Recipe

- 100g plain flour
- 2 eggs
- 300ml milk
- 1 tbsp oil
- pinch of salt



1. Put the flour and milk into a bowl,
2. Crack the eggs and add to the bowl,
3. Whisk the ingredients together.
4. Pour some of the mixture into the pan.
5. Cook until browned then flip.
6. Once the other side is brown leave to cool.
7. Enjoy eating.

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Children who are not secure in all these facts will find it a lot harder to access the curriculum throughout their time in school compared to those who are.

Therefore, the Government introduced the Statutory Multiplication Tables Check (MTC) for the end of Year 4.

What is the Multiplication Tables Check?

The MTC (taken in June) is a test which determines whether your child can fluently recall all their times tables up to 12. It has been introduced so the focus on learning all these facts is high priority in the earlier years of primary school. A secure knowledge of these facts is essential for future success in mathematics.

How do they test the facts?

It is an on-screen check consisting of 25 times table questions. Your child will be able to answer 3 practice questions before taking the actual check. They will then have 6 seconds to answer each question. On average, the check should take no longer than 5 minutes to complete.

Remaining time: 5

$11 \times 2 =$

1

2

3

4

5

6

7

8

9



0

Enter

The screen test looks like this.

Children can answer 3 practice questions before the actual test.

What will the results mean?

We will have access to all our children's results, allowing those children who need additional support to be identified and supported through the following year.

We will share your child's score in their end of year report.

What are we doing in school to prepare them?

- *Times tables are taught every day as part of our Maths lessons*
- *All children have access to a Times Table Rockstars account. This is an excellent online game where children are encouraged to practise their tables in a competitive way against peers, themselves or other members of the school*
- *Teachers test times tables weekly (TT ladder) to check where they are up to*
- *Maths homework always has a times table focus.*

How can you help at home?

- *Support with the TT homework that is sent home every week. You could use some of the flash cards and games in future weeks to re-visit facts.*
- *Randomly ask TT questions at home whilst cooking/eating dinner.*
- *Encourage daily (or an average of 45 mins a week) use of TTRS*

Why is using TTRS so important?

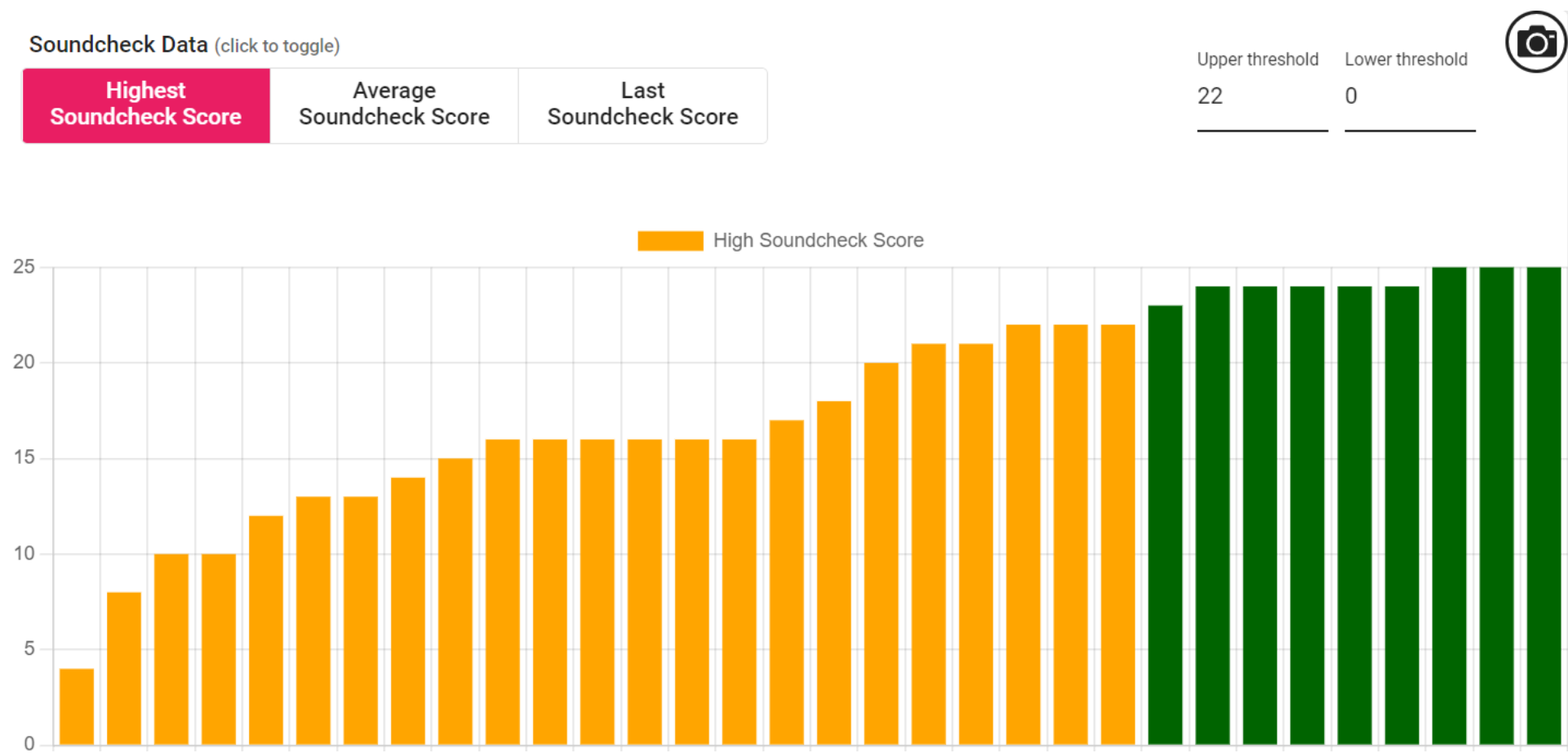
We can see the specific facts that your child is really secure in, those that they are not and those that haven't yet been tested on the games. As we get nearer the test, we can use this for really specific targeting.

	2	3	4	5	6	7	8	9	10	11	12
2	2 × 2	2 × 3	2 × 4	2 × 5	2 × 6	2 × 7	2 × 8	2 × 9	2 × 10	2 × 11	2 × 12
3	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9	3 × 10	3 × 11	3 × 12
4	4 × 2	4 × 3	4 × 4	4 × 5	4 × 6	4 × 7	4 × 8	4 × 9	4 × 10	4 × 11	4 × 12
5	5 × 2	5 × 3	5 × 4	5 × 5	5 × 6	5 × 7	5 × 8	5 × 9	5 × 10	5 × 11	5 × 12
6	6 × 2	6 × 3	6 × 4	6 × 5	6 × 6	6 × 7	6 × 8	6 × 9	6 × 10	6 × 11	6 × 12
7	7 × 2	7 × 3	7 × 4	7 × 5	7 × 6	7 × 7	7 × 8	7 × 9	7 × 10	7 × 11	7 × 12
8	8 × 2	8 × 3	8 × 4	8 × 5	8 × 6	8 × 7	8 × 8	8 × 9	8 × 10	8 × 11	8 × 12
9	9 × 2	9 × 3	9 × 4	9 × 5	9 × 6	9 × 7	9 × 8	9 × 9	9 × 10	9 × 11	9 × 12
10	10 × 2	10 × 3	10 × 4	10 × 5	10 × 6	10 × 7	10 × 8	10 × 9	10 × 10	10 × 11	10 × 12
11	11 × 2	11 × 3	11 × 4	11 × 5	11 × 6	11 × 7	11 × 8	11 × 9	11 × 10	11 × 11	11 × 12
12	12 × 2	12 × 3	12 × 4	12 × 5	12 × 6	12 × 7	12 × 8	12 × 9	12 × 10	12 × 11	12 × 12

	2	3	4	5	6	7	8	9	10	11	12
2	2 × 2	2 × 3	2 × 4	2 × 5	2 × 6	2 × 7	2 × 8	2 × 9	2 × 10	2 × 11	2 × 12
3	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9	3 × 10	3 × 11	3 × 12
4	4 × 2	4 × 3	4 × 4	4 × 5	4 × 6	4 × 7	4 × 8	4 × 9	4 × 10	4 × 11	4 × 12
5	5 × 2	5 × 3	5 × 4	5 × 5	5 × 6	5 × 7	5 × 8	5 × 9	5 × 10	5 × 11	5 × 12
6	6 × 2	6 × 3	6 × 4	6 × 5	6 × 6	6 × 7	6 × 8	6 × 9	6 × 10	6 × 11	6 × 12
7	7 × 2	7 × 3	7 × 4	7 × 5	7 × 6	7 × 7	7 × 8	7 × 9	7 × 10	7 × 11	7 × 12
8	8 × 2	8 × 3	8 × 4	8 × 5	8 × 6	8 × 7	8 × 8	8 × 9	8 × 10	8 × 11	8 × 12
9	9 × 2	9 × 3	9 × 4	9 × 5	9 × 6	9 × 7	9 × 8	9 × 9	9 × 10	9 × 11	9 × 12
10	10 × 2	10 × 3	10 × 4	10 × 5	10 × 6	10 × 7	10 × 8	10 × 9	10 × 10	10 × 11	10 × 12
11	11 × 2	11 × 3	11 × 4	11 × 5	11 × 6	11 × 7	11 × 8	11 × 9	11 × 10	11 × 11	11 × 12
12	12 × 2	12 × 3	12 × 4	12 × 5	12 × 6	12 × 7	12 × 8	12 × 9	12 × 10	12 × 11	12 × 12

Green boxes are facts that children can answer in under 5 seconds!

One of the games is called *SOUNDCHECK*. This replicates the format of the online MTC. We will do these periodically in school – definitely every term in our assessment week. We can see everyone’s scores and again gives a really good picture as to where we need to target support.







How do we reward the children for practising?

Every week, we look at the effort over the previous 7 days.

Average of 5+ mins daily – 1HP 8+ mins daily – 2HP 10+ mins daily – 3HP

Child with the most time 5 bonus HP

Effort - Last 7 days		★ STATS BOLT-ON ★				
First Name ↑	<div>Download CSV</div> Last Name	<div>ⓘ</div> Average Time Played Each Day	Days played	<div>ⓘ</div> Coins Earned	<div>ⓘ</div> Number of Correct Answers	
		0m 44s		1	245	31
		0m 26s		1	270	27
		32m 25s		3	15,888	3,344
		2m 27s		1	1,435	150

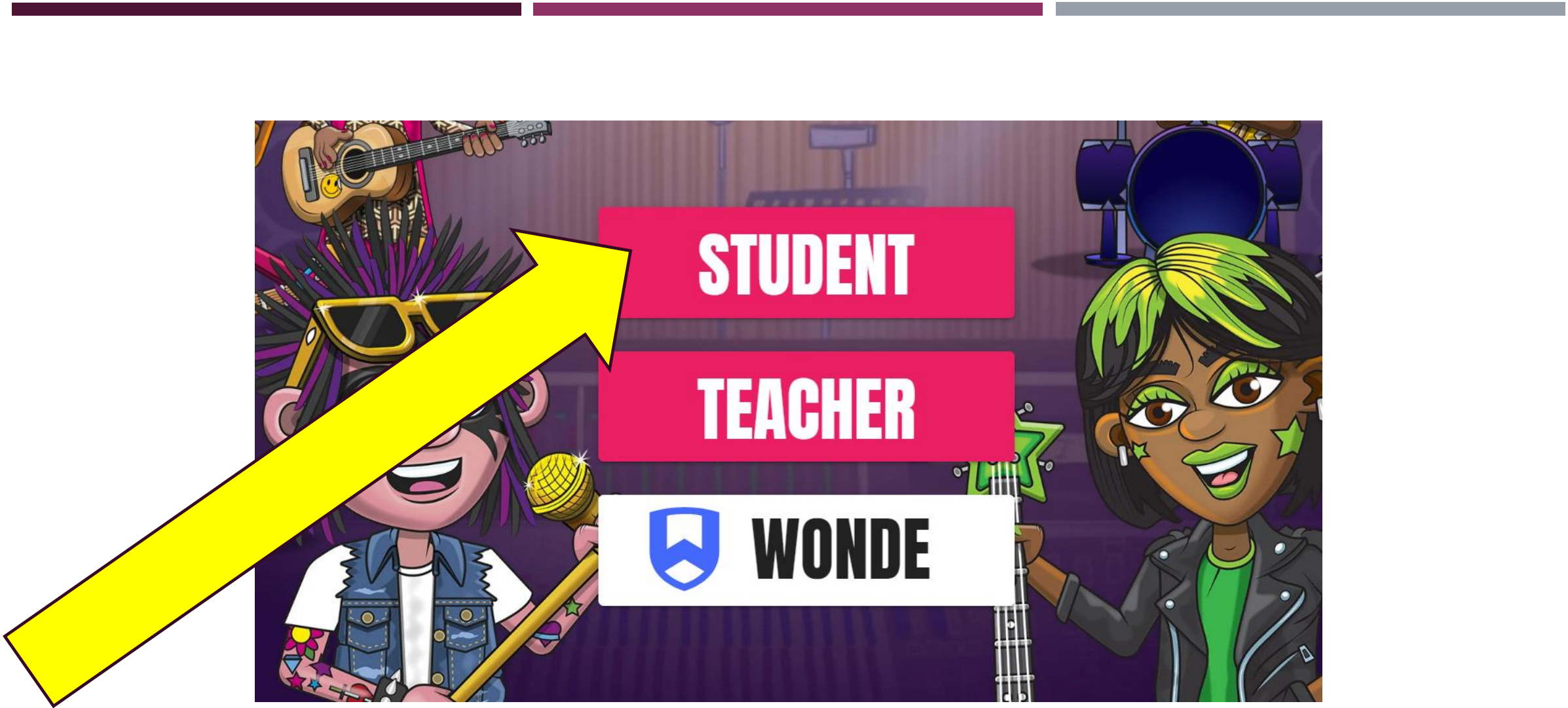
← LOG IN

SCHOOL

FAMILY

TUTOR

is up to date



STUDENT

TEACHER



WONDE

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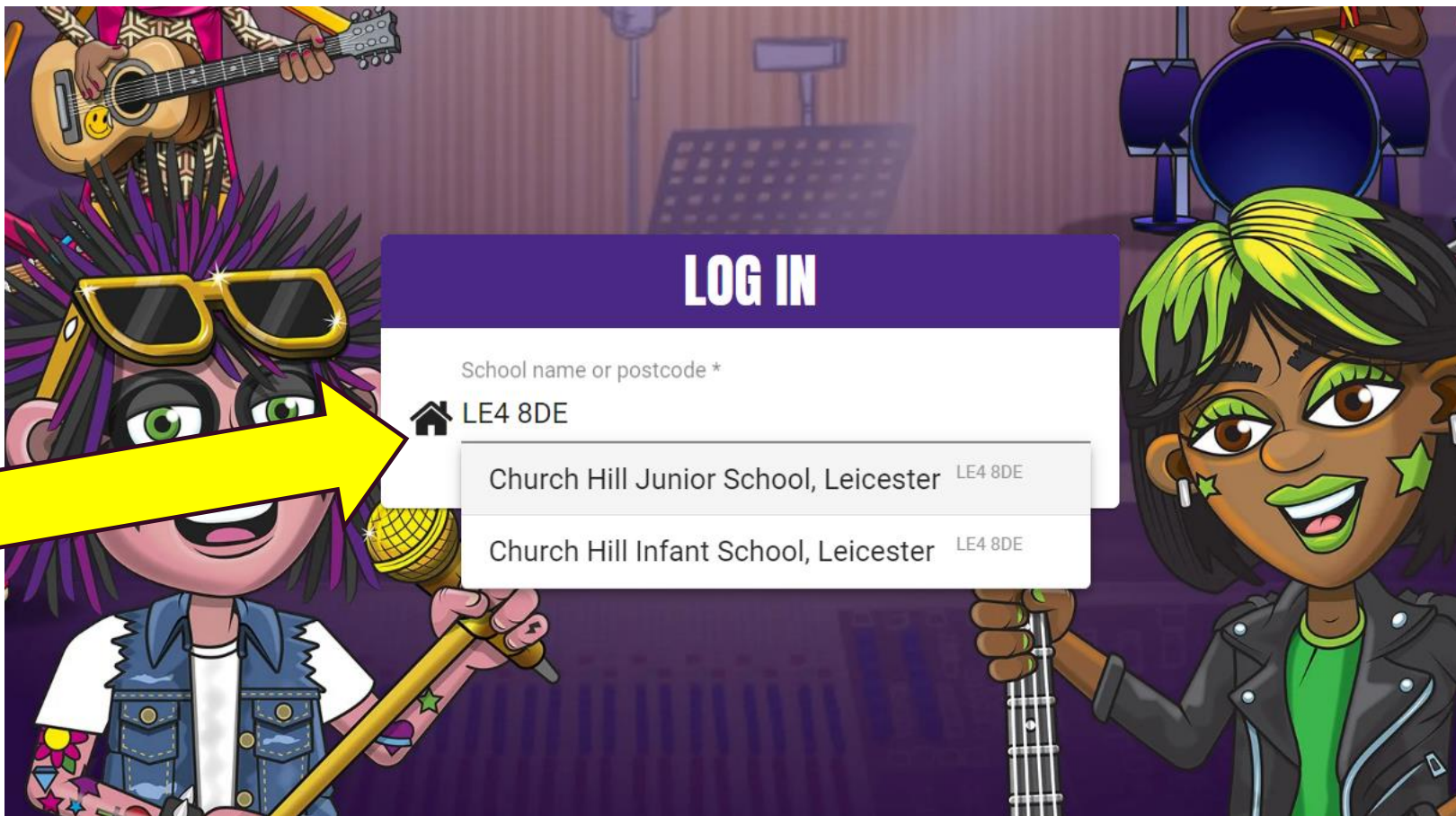
School name or postcode *



LE4 8DE

Church Hill Junior School, Leicester LE4 8DE

Church Hill Infant School, Leicester LE4 8DE



CHURCH HILL JUNIOR SCHOOL, LEICESTER

Change School



Username *



PASSWORD

or




PIN

Log In

Bookmark the following url to login faster:





**Thank-you for coming
tonight. We are more than
happy to answer the
questions you have.**

Work through games:

- *Garage – target times tables – teacher set, based on TT ladder in school*
- *Jamming – children choose – if they use this, make sure they are choosing ones they need to practise!*
- *Gig*
- *SOundcheck*

 GIG



In the real world, a gig is a performance that a band plays in front of a small audience from time to time. They're a good way for people to spot your talent.

Gigs on TTRS are similar - you play a Gig once every month and the score out of 100 shows that you're getting better.

You'll start with ten questions on the 10× table; then ten questions on the 2×, 5×, etc. Altogether there are 100 questions in the Gig but you may not answer them all in 5 minutes. That's no problem.

You may not know all the answers to the Gig questions but **give it your best effort**. Make sure you're ready to concentrate for the whole Gig.