

Almondsbury

Church of England Primary School

Creating our Pathways

Year 4 Multiplication Tables Check 2024

Parents Information Workshop

Thursday 21st March 2024

Starter Activity

- ▶ How many different ways can you answer or represent 4×3 ?

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Commutative Law

$$4 \times 3 = 12$$

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As Division Questions

$$12 \div 3 = 4$$

$$12 \div 4 = 3$$

Use measures

$$3\text{p} \times 4 = 12\text{p}$$

$$\text{£}3 \times 4 = \text{£}12$$

$$12\text{cm} \div 4 = 3\text{cm}$$

$$12\text{ml} \div 4 = 3\text{ml}$$

Repeated Addition

$$3 + 3 + 3 + 3 = 12$$

$$4 + 4 + 4 = 12$$

Use Shapes



4 triangles. A triangle has 3 sides. $4 \times 3 = 12$



3 squares. A square has 4 sides. $3 \times 4 = 12$

Grouping

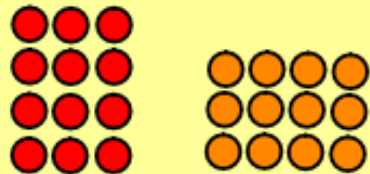


$$4 \times 3 = 12$$

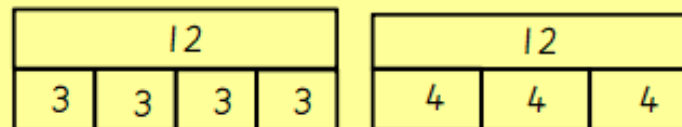


$$3 \times 4 = 12$$

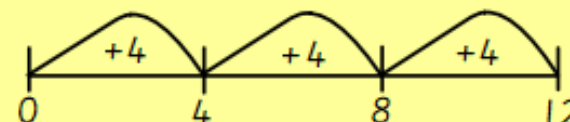
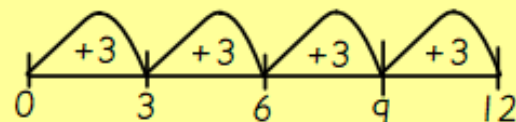
Arrays



Bar Models



Number Line



What is the Multiplication Tables Check?

- ▶ The Multiplication Tables Check (MTC) is an on-screen assessment designed to determine whether children are able to fluently recall their multiplication up to 12, through a set of timed questions.
- ▶ The purpose of the check is to determine whether children can fluently recall their times tables up to 12x12, which is essential for future success in mathematics.
- ▶ It will also help us to identify if any child may need additional support in the future.
- ▶ The MTC will take place from Monday 3rd June over a 2 week period.
- ▶ Their score from the MTC will be shared with you, as they would with all National Curriculum assessments. There is no pass mark for the MTC.

Why are Times Tables important?

- ▶ Times Tables are fundamental to support children and underpin everything within Maths. It is vital that all children know their multiplication facts up to 12×12 .
- ▶ Knowing the multiplication facts up to 12×12 will give them the essential knowledge needed to be proficient with the Year 5 and 6 curriculum.

Why are Times Tables important?

- ▶ It is a life skill! We use our times tables in many scenarios. These include:
- ▶ **Shopping** - Whenever you go shopping you may find yourself using your tables! For example, if you needed to buy 8 t-shirts for £9 each, how much would that cost altogether?
- ▶ **Cooking** - It's always very important to get your ingredients correct when cooking. Sometimes you may know how many ingredients we need for one portion, but could be making more than one portion: What if 1 cookie needs 2 chocolate bars... how many chocolate bars are needed for 5 cookies?
- ▶ **Football games** - There are plenty of times that we need to use Times Tables in sports. It could be when totaling how many points each team has or how many players are on the pitch. One example could be; if each team has 11 players on the pitch, how many players are there in 2 teams?
- ▶ **Travelling** - We use Times Tables all the time when working out how far a distance is or how long it might take to complete a journey. Imagine if we knew it took 12 minutes to walk around the park, how long would it take to walk around the park 5 times?
- ▶ **Telling the Time** - Using the 5 times tables can support in telling the time as the numbers can be multiplied by 5 when working out the minutes past e.g. if the minute hand is on 4, how many minutes is it past the hour?

Why are Times Tables important?

- ▶ It is a life skill! We use our times tables in many scenarios. These include:
- ▶ **Counting people in a room** - Or just counting things in a box or anywhere really! How about if we saw that there were 8 tables in a room, and on each table there were 10 people sat down...how many people would be in the room?
- ▶ **Dealing with money** - This could apply if we were working at a bank, or just buying items from a shop. Whenever money is involved you can bet your bottom dollar that Times Tables will be involved! What if 4 of us each pay £11 for a new game, how much money have we paid overall?
- ▶ **Building** - Ask any builder if they use Times Tables in their work and I bet they say yes! This could be for measuring a wall, mixing up some cement or working out how many bricks they need. For example, if a wall has 12 bricks going across and 10 going up, how many bricks are needed for the wall altogether?
- ▶ **Birthday party** - All of the best birthday parties are planned with Times Tables, how else would Mum's and Dad's make them so perfect? Imagine a dinner party, where each guest receives 3 sandwiches, and we have 10 guests, how many sandwiches do we need?
- ▶ **Speed of cars** - Or the speed of anything really! But if we saw that one car was going 40 miles per hour, and we were told that another car was going 2 times as fast...then how fast is the other car going?

National Curriculum

▶ Year 2

- ▶ Count in steps of 2, 3 and 5 from 0, and in tens from any number, forwards and backwards

▶ Year 3

- ▶ Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- ▶ *We also teach 6x tables as it links to the 3x tables easily.*

▶ Year 4

- ▶ Recall multiplication and division fact for multiplication tables up to 12 x 12

Access for All Children

- ▶ There are several access arrangements available for the check, these can be used to support pupils with specific needs.
- ▶ The teacher will ensure that the access arrangements are appropriate for children before they take the check in June.
- ▶ The check has been designed so that it is inclusive and accessible to as many children as possible. However, there may be some circumstances in which it will not be appropriate for a pupil to take the check, even when using suitable access arrangements.
- ▶ If you have any concerns about access to the MTC, you should discuss this with your child's teacher.


What does the MTC involve?

- ▶ It is an on-screen check of 25 times tables questions.
- ▶ Children will be able to answer 3 practise questions before taking the actual check.
- ▶ They will have 6 seconds to answer each question.
- ▶ On average, the check should take no longer than 5 minutes to complete.
- ▶ The check can be completed on a PC, Mac, Laptop or a Tablet.

- ▶ **Task:**
- ▶ Who would like to give the test a go?!

What do we do in school to support children with times tables?

► Mental Maths Sessions

							
Times Tables							
	Reception	Y1	Y2	Y3	Y4	Y5	Y6
T1	Pre-requisites 1-3 (1. Unitising, 2. Bringing together more than one unit, 3. Equal and unequal groups) Pre-requisites 1-4 (1. Unitising, 2. Bringing together more than one unit, 3. Equal and unequal groups, 4. Understanding the early relationship between + and x) and Experience in counting in 1s, 2s, 5s and 10s		1x	4x (link to 2x)	9x	Assessment of x tables knowledge for gap analysis	Assessment of x tables knowledge for gap analysis
T2			10x	8x (link to 4x)	7x	Revision of x tables needed (identified from Term 1 assessment)	Revision of x tables needed (identified from Term 1 assessment)
T3			2x (link to 1x)	3x	11x	In school assessment for gap analysis	In school assessment for gap analysis
T4			5x (link to 10x)	6x (link to 3x)	Squares	Revision of x tables needed (identified from Term 3 assessment)	Revision of x tables needed (identified from Term 3 assessment)
T5			0x (and revision)	12x (link to 6x)	Revision of All Tables	In school assessment for gap analysis	In school assessment for gap analysis
T6			Revision of 1s, 2s, 5s, 10s and 0s	Revision of 4s, 8s, 3s, 6s and 12s	Multiplication Check	Revision of x tables needed (identified from Term 5 assessment)	Revision of x tables needed (identified from Term 5 assessment)

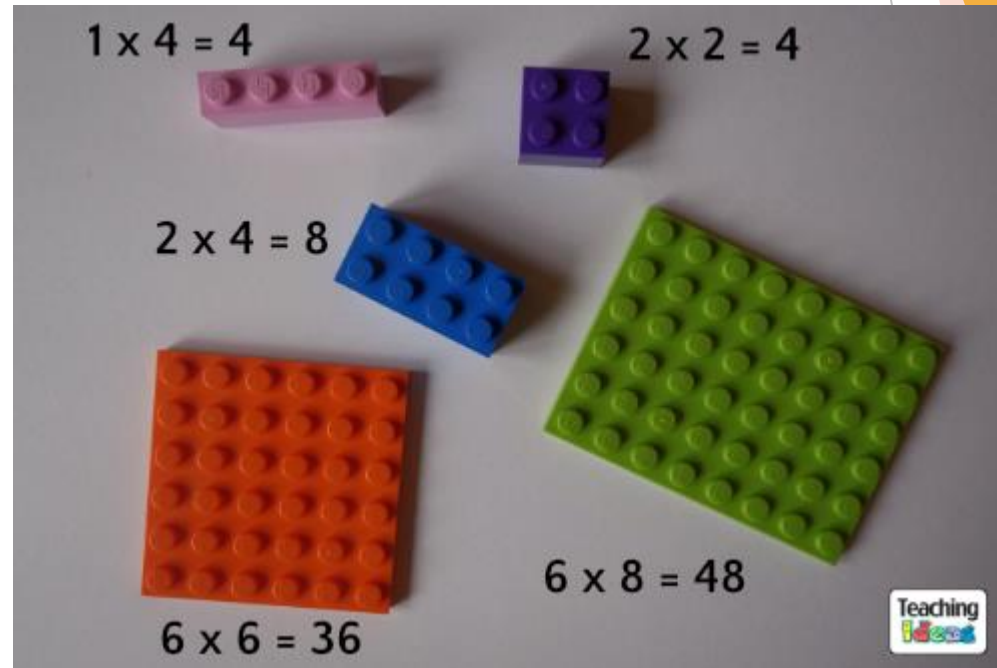
What do we do in school to support children with times tables?

- ▶ Calculation of the Week
- ▶ Times Tables Rockstars Club
- ▶ Times Tables Rockstars Sessions
- ▶ Support Sessions
- ▶ Incorporate into other aspects of the curriculum

What can you do to support children at home with times tables?

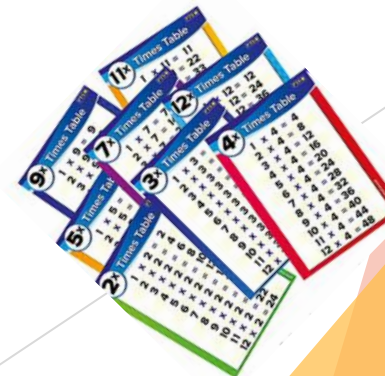
- ▶ **Task:**
- ▶ Using the resources on your table, think of ways you can use them to represent times tables visually.
- ▶ Represent the question 6×4 .

What can you do to support children at home with times tables?



What can you do to support children at home with times tables?

- ▶ Although we practise our timetables regularly at school, we would love for your children to practise with you at home so that they feel confident when completing the test.
- ▶ The easiest way is to quiz children. 8x6 is?
- ▶ Encourage children to play Times table Rockstars as often as possible. Short and sharp daily sessions will help children to learn times tables more than one long session a week. The soundcheck is very similar to the MTC.
- ▶ Quiz at home regularly. This could be when making dinner or on the journey to school
- ▶ Display a poster with all of the times tables facts on at home.



What can you do to support children at home with times tables?

- ▶ We teach lots of tricks to help the children remember the times tables. You could learn a trick together.
- ▶ Create flash cards and let them play with friends, siblings, grandparents. They could write the answer on the back and test themselves.
- ▶ We use lots of songs to teach our Times Tables in school. Children can recognise these from YouTube by typing in 4 times table song. Let them sing along with those at home. Children could also make their own Times Tables songs.
- ▶ Chanting their times table is an excellent way to learn them. They could do this each time they walk up the stairs.
- ▶ Any times tables practise that the children can do at home will really support them to become proficient in their times tables and help them with their everyday maths learning.



Any questions?