Y4 Multiplication Facts

Parent Information

The Importance of Times Tables

Times tables recall underpins the skills in many areas of maths moving forwards:

- Formal methods for multiplication and division
- Fractions – finding equivalents, finding fractions of amounts etc
- Ratio in Y6
- Algebra in Y6
- Many questions in the KS2 SATs paper will need rapid recall of times tables facts and their application.
- Many questions in the GCSE Foundation paper need a secure knowledge of times tables facts (multiplication and division).

KS2 SATs Question

4 2,400 ÷ 2 =

1 mark

7 ☐ = 240 ÷ 8

1 mark

GCSE Paper

4 Write down a 3 digit number that is a multiple of 5

10 Sonia wants to book a holiday.
The holiday will cost £1428

Sonia will pay a deposit of £150
She will then pay the rest of the cost in 6 equal monthly payments.

How much is each monthly payment?

Ways to support times table knowledge

- Count and look for patterns.
- Understand that multiplication is repeated addition.
- Remember that multiplication is commutative.
- Remember that multiplication is the inverse of division.
- Recall and utilise fact families.

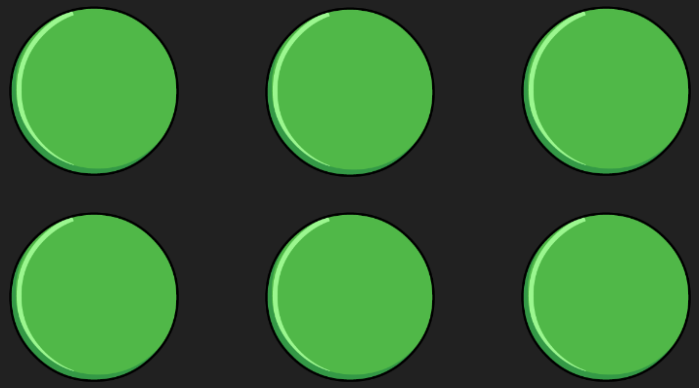
Use different representations to represent multiplication, such as:

- Concrete manipulatives e.g. multilink cubes or counters.
- Create pictorial representations such as arrays.

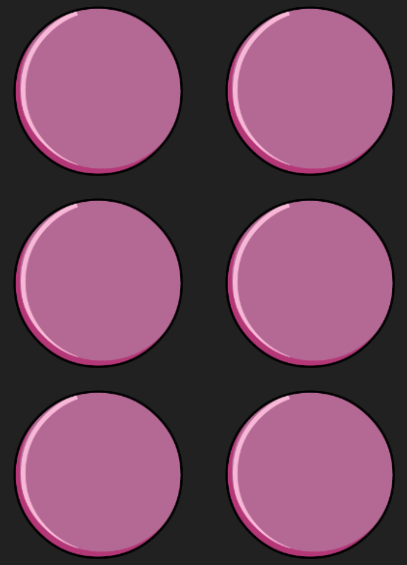
Multiplication is commutative - array

3 x 2 is the same as 2 x 3

Children need to understand that multiplication can be completed in any order to produce the same answer. Sometimes this link needs to be made explicit.



3 lots of 2 = 6

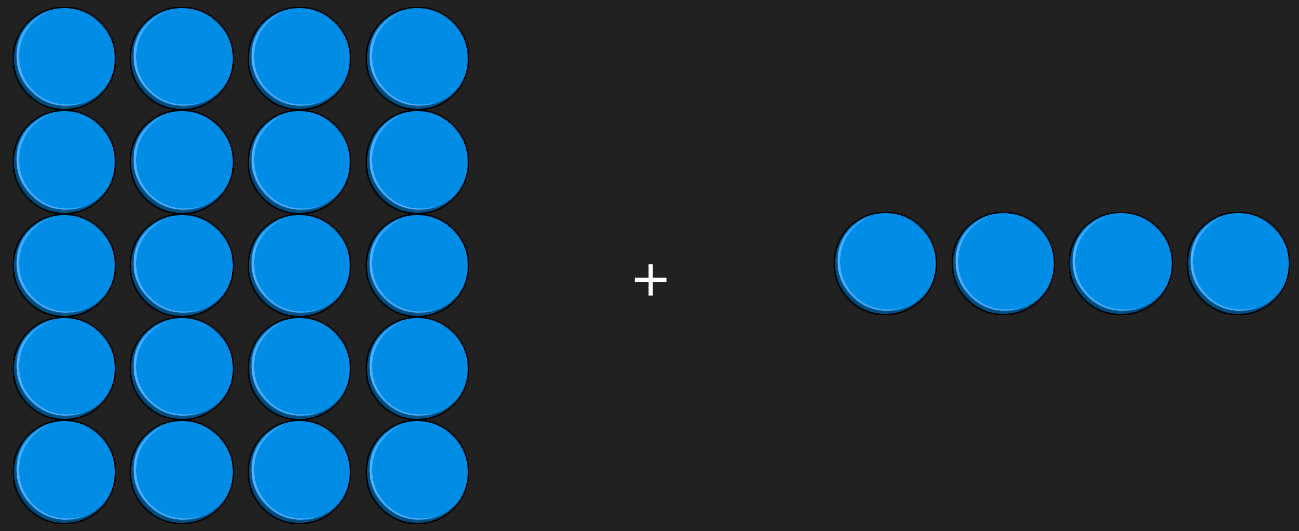


2 lots of 3 = 6

Using known facts

4 x 6 = ?
I know 4 x 5 = 20
Therefore, 20 + 4 = 24

By using known facts from ‘easier’ times tables, children should be able to find answers with increasing speed.



Y4 MTC
Multiplication Tables Check

June 2027 – National Test

Important information about multiplication tables check (MTC)

- The MTC determines if Year 4 children can fluently recall their multiplication tables.

- There is no ‘pass’ rate or threshold which means that, unlike the Phonics Screening Check, children will not be expected to re-sit the check.

When the check will take place

- There will be a 2 week window from Monday 7th June 2027 for schools to administer the check.
- There is no set day to administer the check and children are not expected to take the check at the same time.
- All eligible Year 4 children in England will be required to take the check.

How the check is carried out

- The check will be fully digital.
- Answers will be entered using a keyboard, by pressing digits using a mouse or using an on-screen number pad.
- Usually, the check will take less than 5 minutes for each child.
- The children will have 6 seconds from the time the question appears to input their answer.
- There will be a total of 25 questions with a 3 second pause in-between questions.
- There will be 3 practice questions before the check begins.

Specific arrangements for the check

Some children will be eligible for specific arrangements:

- Colour contrast;
- Font size adjustment;
- ‘Next’ button (alternative to 3-second pause);
- Removing on-screen number pad;
- An adult to input answers;
- Audio version;
- Audible time alert.

Additional time

Pupils cannot have additional time to complete the MTC questions. The purpose of the check is to determine whether pupils can recall their times tables fluently. Additional time would remove the fluent recall element of the check.

If you think your child will need reasonable adjustments and meets these criteria then speak to your child's class teacher. However, they might not need any alternative arrangements even if they meet the criteria.

2.7 Access arrangements

Access arrangements may be appropriate for pupils with specific needs who require additional arrangements so they can take part in the MTC. This includes pupils:

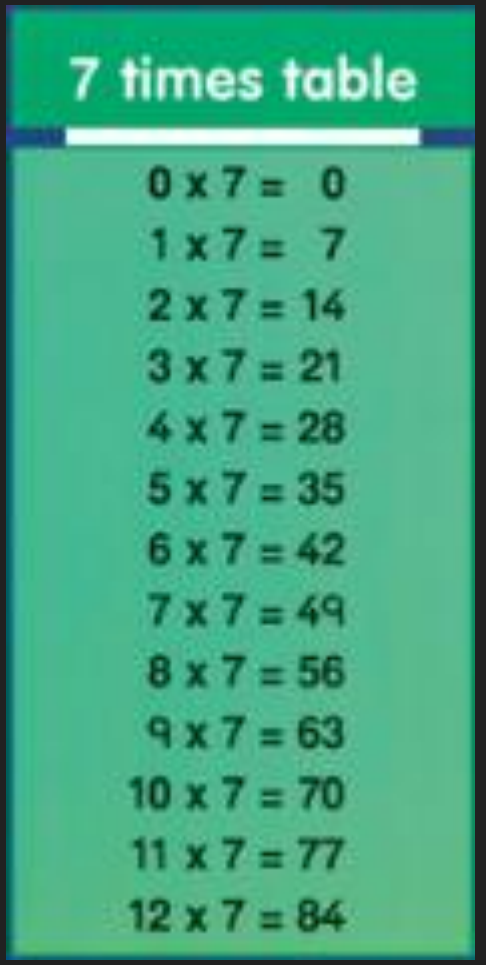
- with an education, health and care (EHC) plan
- for whom provision is being made in school using the special educational needs and disability (SEND) support system
- whose learning difficulty or disability significantly affects their ability to access the check
- who have behavioural, emotional or social difficulties
- with English as an additional language (EAL) and limited fluency in English

The check questions

- Each child will be randomly assigned a set of questions
- There will only be multiplication questions in the check, not division facts.
- The 6, 7, 8, 9 and 12 times tables are more likely to be asked.
- Reversal of questions (e.g. 8 x 6 and 6 x 8) will not be asked in the same check.
- Children will not see their individual results when they complete the check.

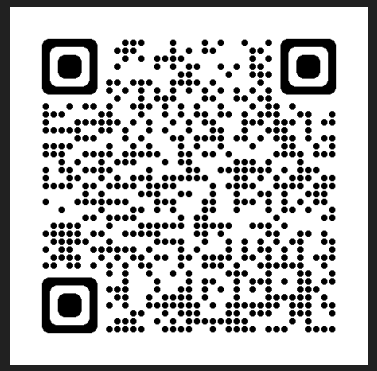
Practice?

- Write the times table out and read it out over and over.
- Learn the facts off-by-heart in order
- Answer quick questions in random order.
- Encourage children to use known facts to help them e.g. 6 x 7 is 7 x 5 + 7
- Ask missing number questions e.g. How many 7s are in 63?

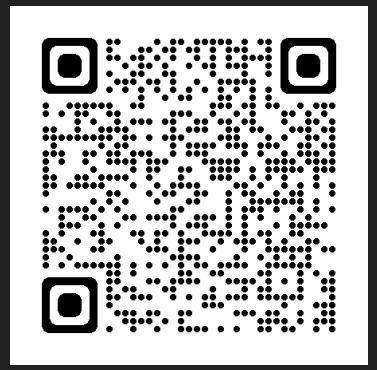


Practice?

- Daily 10 - Mental Maths Challenge – Topmarks



- Times tables games - Learn them all here!

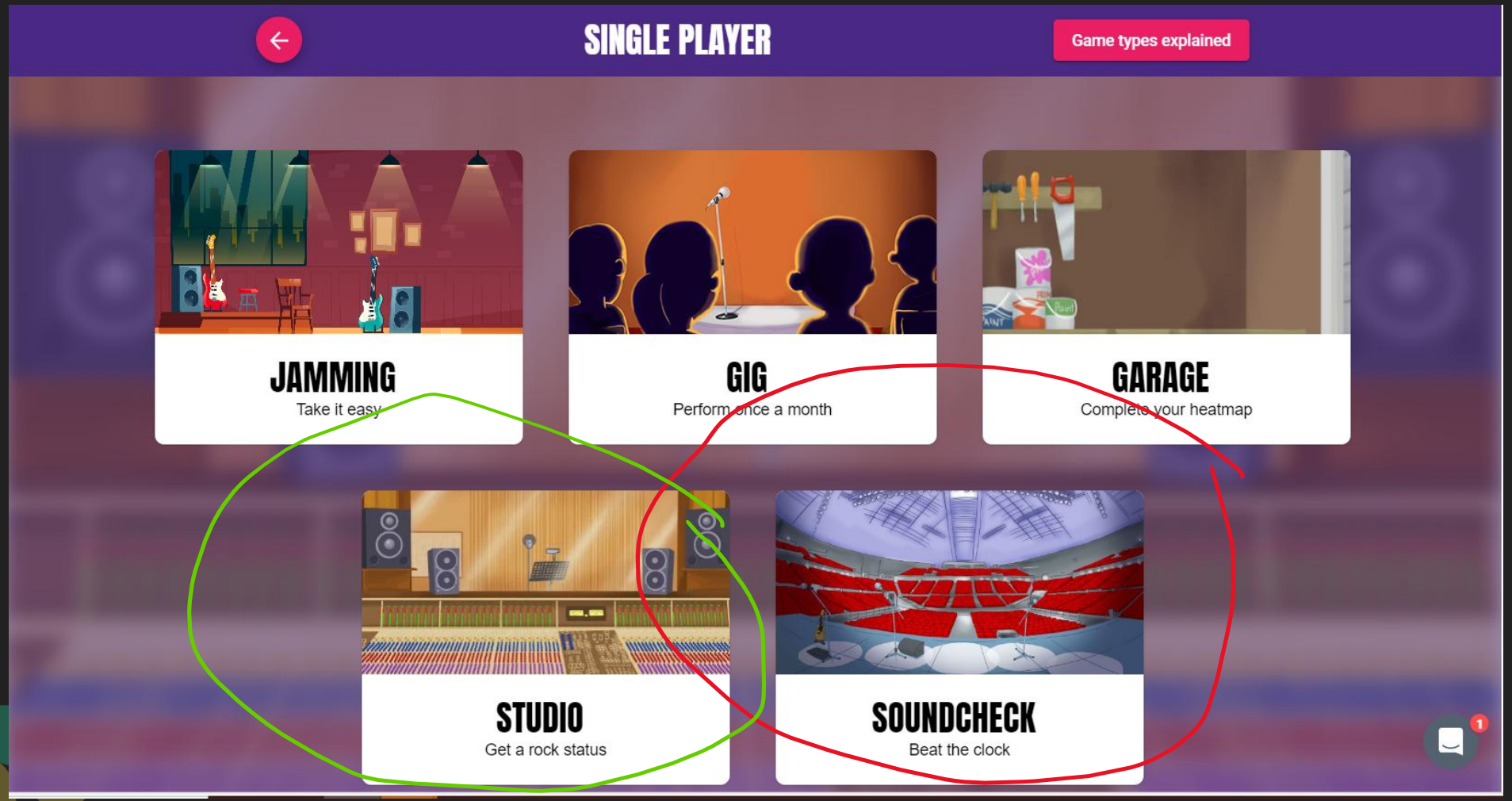


- Multiplication Tables Check - Mathsframe



Practice?

- TT Rockstars [Times Tables Rock Stars – Times Tables Rock Stars (ttrockstars.com)]



Multiplication Tables Check

- Any Questions?