

# Multiplication Tables Check for year 4

March 2019



# Why learn your times-tables?!

## Progression through primary ...

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Times-tables knowledge is vital for quick mental calculations and problem solving, as well as for many of the topics children learn in KS2 (division, fractions, percentages).

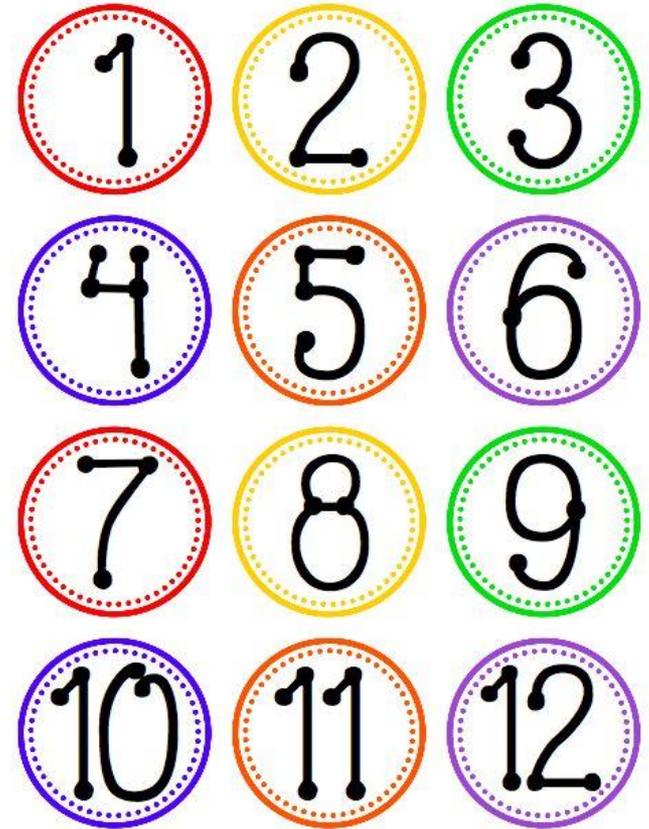
- ❑ Year 1 children are taught counting up in 2s, 5s and 10s
- ❑ Year 2 children are introduced to multiplication, division facts and repeated addition for numbers 2, 5 and 10
- ❑ Year 3 is a crucial year for times tables learning. Children learn multiplication facts for the 3, 4 and 8 times tables
- ❑ Year 4 is a 'completing' year: all multiplication facts to  $12 \times 12$
- ❑ Children are expected to be really confident in all their times tables (up to the 12 times table) by the start of year 5



# Purpose of the times-tables test

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- **Primary-school children are expected to know all their times tables up to  $12 \times 12$ .** Under the current National Curriculum, children are supposed to know their times tables by the end of Y4
- All Y4 children will have their multiplication skills formally tested from 2020 (2019 is a pilot year)
- **The purpose of the ‘check’ is to determine whether year 4 pupils can fluently recall their multiplication tables**

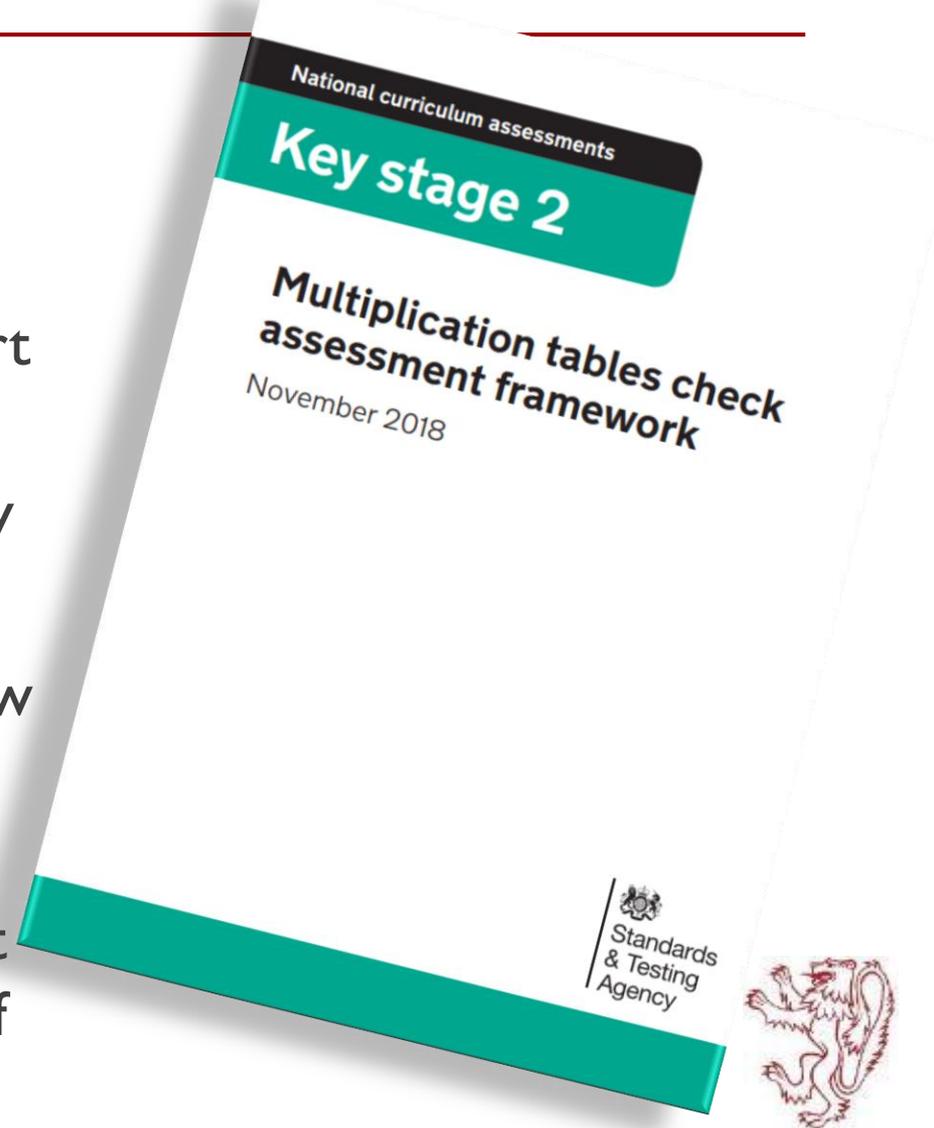


# Use of the X-tables test data

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Once the assessment is statutory, the data will be used in the following different ways:

- ❑ In schools to help focus support where needed
- ❑ OfSTED and the local authority
- ❑ DfE tracking results over time
- ❑ National data published to allow schools to compare performance
- ❑ At Chase Bridge we will report results to parents (score out of 25 marks)



# How will the test work?

## Test administration

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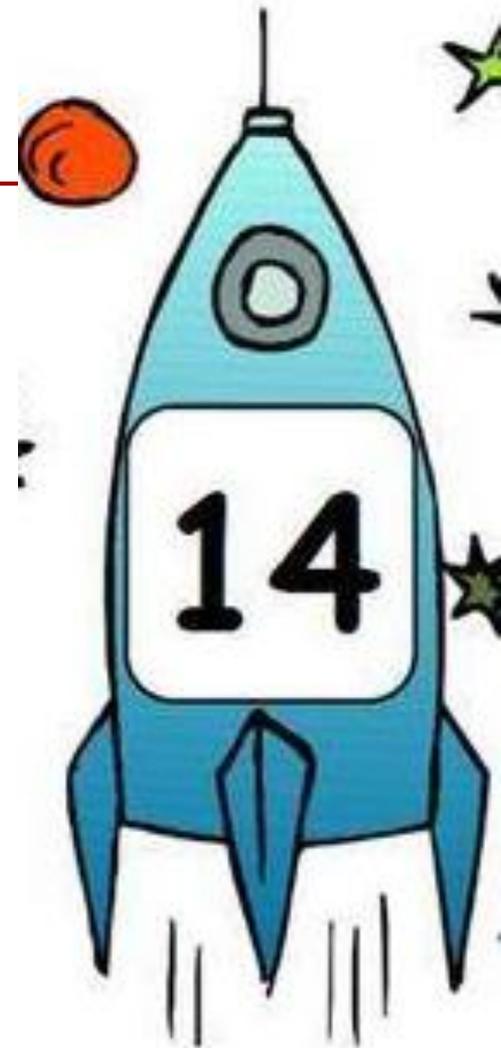
- ❑ **All year 4 pupils** will be required to take the check (schools can withdraw pupils if they can't access the assessment)
- ❑ Children answer multiplication questions **against clock** on a computer or tablet, with 6 seconds to answer each one-mark question in a series of 25
- ❑ Check will be available over a **3 week window in June** each year. Schools decide when they do it
- ❑ Items selected from **2 - 12 multiplication tables**.
- ❑ **Emphasis is on the 6, 7, 8, 9 and 12** multiplication tables because these have been determined to be the most difficult



# Helping your child with time-table practice

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- ❑ Practising times tables by rote (old-fashioned chanting of each multiplication table)
- ❑ Asking your child times tables questions out of order – such as ‘What’s  $11 \times 12$ ? What’s  $5 \times 6$ ?’
- ❑ Asking your child the related division facts: ‘What’s  $8 \div 4$ ? What’s  $9 \div 3$ ?’
- ❑ Using arrays to help your child memorise times tables – you can use fun objects like Smarties or Lego bricks to make it more entertaining
- ❑ Using apps and games to help build speed
- ❑ Games - **Ping-pong**, **Super-fingers!**  
**Calculator phasers**



# Further information

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- ❑ DfE Standards and Testing Agency  
<https://www.gov.uk/government/publications/multiplication-tables-check-assessment-framework>
- ❑ Multiplication Tables Check: a parents' guide  
[https://resources.theschoolrun.com/PDF%20reports/Y4\\_multiplication\\_tables\\_check\\_guide\\_for\\_parents.pdf](https://resources.theschoolrun.com/PDF%20reports/Y4_multiplication_tables_check_guide_for_parents.pdf)
- ❑ Mathletics <http://uk.mathletics.com/>
- ❑ Times Tables Rockstars <https://ttrockstars.com/login>
- ❑ Mathsframe <https://mathsframe.co.uk/>
- ❑ Topmarks - Hit the Button  
<https://www.topmarks.co.uk/maths-games/hit-the-button>
- ❑ BBC Super Movers  
<https://www.bbc.co.uk/sport/av/supermovers/42675177>

