

MATHS WORKSHOP



KS2 – Year 4

AIMS OF THE SESSION...



To show how rapid recall and number facts progress through school.



To provide you with an overview of the Year 4 expectations for rapid recall facts



To explain what the Year 4 Multiplication Check is and what it means for Year 4.



To give an overview of the Number Club expectations for Year 4.



To provide you with ideas on how you can support at home with the rapid recall of facts.



EXPECTATIONS FOR PRIMARY SCHOOL PUPILS

Year 1 – 1 more or less than a given number
Number bonds/facts within 20
Counting in multiples of 2, 5, 10

Year 2 – Addition and subtraction facts to 20 and related facts up to 100.
Multiplication facts for 2x, 5x and 10x table
Division facts for 2x, 5x, 10x table



EXPECTATIONS FOR PRIMARY SCHOOL PUPILS

Year 3 – 10 more or less than a given number
100 more or less than a given number
Multiplication facts for 3x, 4x, 8x table
Division facts for the 3x, 4x, 8x table

Year 4 – 1000 more or less than a given number
Multiplication facts for multiplication tables up to 12 x 12
Division facts for multiplication tables up to 12 x 12
(6x, 7x, 9x, 11x, 12x explicitly taught)

**Year 4 Statutory
Multiplication Check
Summer Term**



EXPECTATIONS FOR PRIMARY SCHOOL PUPILS

Year 5 – Multiply mentally using known facts

e.g. 50×6 using 5×6 to support

Divide mentally using known facts

e.g. $360 \div 6$ using $36 \div 6$ to support

Year 6 – Application of facts



YEAR 4 EXPECTATIONS...

T2: I can find 1000 more than a given number

T3: I can find 1000 less than a given number

T18: I can recall multiplication facts for multiplication tables up to 12 x 12

T19: I can recall division facts for multiplication tables up to 12 x 12



YEAR 4 MULTIPLICATION CHECK

00:01

0 / 25

$12 \times 9 =$

1 2 3
4 5 6
7 8 9
<- 0 Enter

[Multiplication Tables Check - Timestables.co.uk](https://www.timestables.co.uk)

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.

The purpose of the check is to determine whether your child can fluently recall their times tables up to 12, which is essential for future success in mathematics.

Schools will have unlimited access to a try it out area from March. They can use this to make sure pupils have the necessary support required to access the check.

This includes opportunities for pupils to familiarise themselves with the check application.

I will be able to share your child's score with you.

There is no pass mark for the check.



NUMBER CLUBS...

Autumn Expectations

Spring Expectations

Summer Expectations

Number Club	Focus	Target	Number of Questions	Time
4a	6 x table – multiply		40	4 minutes
4b	6 x table – divide		40	
4c	7 x table – multiply		40	
4d	7 x table – divide		40	
4e	9 x table – multiply		40	
4f	9 x table – divide		40	
4g	12 x table – multiply		40	
4h	12 x table – divide		40	
4i	Mixture multiply up to 12 x 12	T18	45	4 minutes 30 seconds
4j	Mixture divide up to 12 x 12	T19	45	
4k	Multiply and Divide up to 12 x 12		60	6 minutes



DEVELOPING FLUENCY WITH FACTS

The basics of mathematical fluency – as defined by the KSI / KS2 National Curriculum for maths – involve knowing key mathematical facts and being able to recall them quickly and accurately.

Fluency in maths lessons means we teach the content using a range of representations, to ensure that all pupils understand and have sufficient time to practise what is taught.

Number Club
4.0

Wood End
Primary School



Name: _____ Date: _____

$6 \times 6 =$ _____	$3 \times 6 =$ _____	$7 \times 6 =$ _____
$9 \times 6 =$ _____	$12 \times 6 =$ _____	$1 \times 6 =$ _____
$4 \times 6 =$ _____	$8 \times 6 =$ _____	$11 \times 6 =$ _____
$10 \times 6 =$ _____	$2 \times 6 =$ _____	$5 \times 6 =$ _____
$7 \times 6 =$ _____	$4 \times 6 =$ _____	$6 \times 6 =$ _____
$11 \times 6 =$ _____	$9 \times 6 =$ _____	$3 \times 6 =$ _____
$1 \times 6 =$ _____	$12 \times 6 =$ _____	$10 \times 6 =$ _____
$5 \times 6 =$ _____	$8 \times 6 =$ _____	$2 \times 6 =$ _____
$3 \times 6 =$ _____	$9 \times 6 =$ _____	$4 \times 6 =$ _____
$11 \times 6 =$ _____	$6 \times 6 =$ _____	$12 \times 6 =$ _____
$8 \times 6 =$ _____	$1 \times 6 =$ _____	$7 \times 6 =$ _____
$2 \times 6 =$ _____	$5 \times 6 =$ _____	$10 \times 6 =$ _____
$9 \times 6 =$ _____	$8 \times 6 =$ _____	$4 \times 6 =$ _____
$6 \times 6 =$ _____		

Score: _____

Number Club
4.0

Wood End
Primary School



Name: _____ Date: _____

_____ $\times 6 = 42$	_____ $\times 6 = 12$	_____ $\times 6 = 48$
_____ $\times 6 = 30$	_____ $\times 6 = 66$	_____ $\times 6 = 36$
_____ $\times 6 = 54$	_____ $\times 6 = 72$	_____ $\times 6 = 6$
_____ $\times 6 = 18$	_____ $\times 6 = 60$	_____ $\times 6 = 24$
_____ $\times 6 = 66$	_____ $\times 6 = 36$	_____ $\times 6 = 12$
_____ $\times 6 = 72$	_____ $\times 6 = 18$	_____ $\times 6 = 42$
_____ $\times 6 = 6$	_____ $\times 6 = 54$	_____ $\times 6 = 30$
_____ $\times 6 = 48$	_____ $\times 6 = 24$	_____ $\times 6 = 60$
_____ $\times 6 = 12$	_____ $\times 6 = 6$	_____ $\times 6 = 54$
_____ $\times 6 = 36$	_____ $\times 6 = 30$	_____ $\times 6 = 72$
_____ $\times 6 = 24$	_____ $\times 6 = 48$	_____ $\times 6 = 66$
_____ $\times 6 = 60$	_____ $\times 6 = 42$	_____ $\times 6 = 18$
_____ $\times 6 = 42$	_____ $\times 6 = 72$	_____ $\times 6 = 48$
_____ $\times 6 = 60$		

Score: _____

Number Club
4.0

Wood End
Primary School



Name: _____ Date: _____

_____ = 11×6	$5 \times 6 =$ _____	_____ $\times 6 = 48$
_____ $\times 6 = 36$	_____ = 8×6	$3 \times 6 =$ _____
_____ $\times 6 = 42$	$6 \times 6 =$ _____	_____ = 3×6
$9 \times 6 =$ _____	_____ = 12×6	_____ $\times 6 = 66$
_____ = 4×6	$1 \times 6 =$ _____	_____ $\times 6 = 30$
_____ $\times 6 = 60$	_____ = 9×6	$7 \times 6 =$ _____
_____ $\times 6 = 24$	$2 \times 6 =$ _____	_____ = 5×6
$11 \times 6 =$ _____	_____ = 2×6	_____ $\times 6 = 18$
_____ = 7×6	$4 \times 6 =$ _____	_____ $\times 6 = 72$
_____ $\times 6 = 12$	_____ = 7×6	$10 \times 6 =$ _____
_____ $\times 6 = 6$	$3 \times 6 =$ _____	_____ = 6×6
$8 \times 6 =$ _____	_____ = 10×6	_____ $\times 6 = 72$
_____ = 1×6	$12 \times 6 =$ _____	_____ $\times 6 = 54$
_____ $\times 6 = 42$		

Score: _____



HOW DOES KNOWING MULTIPLICATION AND DIVISION FACTS SUPPORT WITH OTHER AREAS OF THE CURRICULUM?

T22: I can use place value, known and derived facts to multiply and divide mentally including multiplying together three numbers.

T23: I can multiply two-digit numbers by a one-digit number using formal written layout.

T24: I can multiply three-digit numbers by a one-digit number using formal written layout

T25: I can recognise and use factor pairs and commutativity in mental calculations

T27: I can recognise and show, using diagrams, families of common equivalent fractions

T29: I can solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.

T46: I can solve problems involving converting from years to months and weeks to days.



HOW ELSE CAN YOU SUPPORT?

Practise facts linked to number clubs which are sent home each week by the class teacher.

Ensure the repeated addition is secure and counting in multiples

Counting concrete objects – objects grouped into 3s, 4s and 8's.

Chanting the times table – 1 times 3 is 3, 2 times 3 is 6 etc...

Quick fire questions on the spot e.g. in the car/shopping

Times table focus of the week at home including tables they have already learnt.

Resources on the school website linked to specific times tables – Children – Year 4



THANK YOU...

Thank you for attending

If you have any further questions then please do not hesitate to email the school with your query.

woodendprimaryschool@wolverhampton.gov.uk

I will be able to support if your query is specific to your child and Maths.

