



Mathematics Medium Term Plan

Year 2 Spring Term Unit 2 Multiplication and Division

Focus

Multiplication and Division

Time

5 weeks

R2P: 2MD-1, 2MD-2

NC:

Recall and use multiplication and division facts for the 2, 5 and 10x tables, including recognising odd and even numbers.

Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication, division and equals signs.

Solve problems including multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.

Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another can not. by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher



Concept Sequence

Recognise equal groups – use stem sentences. Use language of addition and multiplication (no symbols).

Make equal groups – use numerals and words as well as multiple representations.

Add equal groups – connect to repeated addition (2s, 5s, 10s, 3s beyond 3 equal groups).

X symbol – link multiplication with repeated addition, using stem sentences. Interpret mathematical stories and create. Use concrete resources and pictorial representations.

Multiplication sentences from pictures – interpret word problems by drawing images. Include use of coins.

Use arrays – explore commutativity ($axb=bxa$). Use symbols and lots of language interchangeably.

Make equal groups – grouping. Introduce division symbol. Show links with multiplication.

Make equal groups – sharing. Use concrete to pictorial.

2x table – images, tracks to aid counting in 2s. Use cubes to explore equal groups.

Divide by 2 – use concrete and pictorial resources for grouping and sharing.. Link with 2x table.

Doubling and Halving.

Odd and even numbers – link even numbers to being divisible by 2.

10x table - include use of zero. Use = at both ends of calculation.

Divide by 10 – include grouping and sharing.

5x table – include use of zero. Use = at both ends of calculation.

Divide by 5 - include grouping and sharing.

5 and 10 times tables – note relationships between them.

Planning Links

Power Maths, White Rose, Maths No Problem Text Books, Aspire Maths

White Rose Scheme of Work:

<https://assets.whiterosemaths.com/new-schemes/Year%20%20Spring%20Block%20%20SOL%20Multiplication%20and%20division.pdf>

NCETM Teacher Guide and Representations:

<https://www.ncetm.org.uk/resources/52830#yr2>

New Vocabulary

Groups of Times
Once, twice...ten times
Repeated addition
Array, row, column
Multiplication table
Multiplication fact
Equal groups of
Group in pairs, fives...

Existing Vocabulary

Multiplication
Multiply
Multiplied by
Multiple
Division
Dividing
Grouping
Array
X, I like it so much I want X times
Sharing,
Doubling
Halving
Number patterns



Times Tables 1NF-1, 2MD-1

10x table – multiples, missing numbers, division

Resources

Objects (counters, unifix), Bead strings
100 Square, Number Lines, Counting Stick
Gordons Maths Games, Mathletics, TTRockstars BBC Super
Movers <https://www.bbc.co.uk/teach/supermovers/ks1-maths-collection/z6v4scw>
Working Wall – stem sentences