

Year 1 Multiplication and Division Knowledge Organiser



★ Star Vocabulary ★

Multiplication	The process or skill of multiplying.
Division	Sharing numbers equally.
Equal Groups	Same number of objects in each group.
Array	An arrangement of objects, numbers or pictures in rows and columns.
Bar Model	A pictorial representation of a problem where bars are used to represent known and unknown numbers.
Twice as big	Two times bigger.

To explore the patterns of double and halves in numbers.

To solve one-step problems involving multiplication and division.

Add Equal Groups

$2 + 2 + 2 + 2 = 8$ apples

Group Equally

Put the socks into groups of 2.

Make Arrays

4 rows of 5 = 20 cookies
5 columns of 4 = 20 cookies

Sentence Stems

There are ____ equal groups with ____ in each group.

There are ____ altogether.

There are ____ rows across

There are ____ rows down.

____ shared equally is ____

Misconceptions: Why?

Arrays – Children may not make an array accurately and have an uneven number of rows or columns.

Children may not share amounts equally.

Factual & Conceptual Fluency progression

Addition and subtraction within 10.

Secure and maintain fluency in addition and subtraction within and across 10, through continued practice.

Recall the 2, 4 and 8 multiplication tables, and corresponding division facts.

Recall the 7-multiplication table, and corresponding division facts.

Addition and subtraction across 10.

Recall the 10 and 5 multiplication tables, and corresponding division facts.

Recall the 3, 6 and 9 multiplication tables, and corresponding division facts.

Recall the 11 and 12 multiplication tables, and corresponding division facts.

Secure and maintain fluency in all multiplication tables, and corresponding division facts, through continued practice.