



Woodpeckers Year 1  
 Summer 1 2021  
 Maths  
 Multiplication and Division

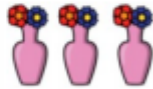
**Multiplication**

First we look at multiplication in regards to equal groups. We need to be able to recognise when groups are equal and describe them.



There are four groups of five pencils.  
 $5 + 5 + 5 + 5$

There are three groups of two pencils.  
 $2 + 2 + 2$



There are three groups of five fingers.  
 $5 + 5 + 5 + 5$



 	<p>There are <b>two</b> rows.          There are <b>five</b> cookies in each row.</p> <p><math>5 + 5 = 10</math></p>	<p>There are <b>five</b> columns.          There are <b>two</b> cookies in each column.</p> <p><math>2 + 2 + 2 + 2 + 2 = 10</math></p>
 	<p>There are <b>four</b> rows.          There are <b>two</b> doughnuts in each row.</p> <p><math>2 + 2 + 2 + 2 = 8</math></p>	<p>There are <b>two</b> columns.          There are <b>four</b> doughnuts in each column.</p> <p><math>4 + 4 = 8</math></p>

Then, we can start making arrays by making equal groups in columns and rows. We can then show these arrays as repeated addition too.



Multiple of	Array
Multiply	Product
Repeated addition	Multiplied by
Lots of	Groups of

Divide	Share
Divided by	Divided into
Share equally	Equal groups of

Curriculum Objectives

Count in multiples of twos, fives and tens

Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher







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**Equal and unequal groups**

Firstly, before we look at multiplication we will make sure we understand what equal and unequal groups are.

Equal groups means that each group has the same amount.

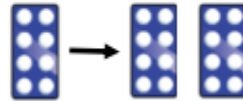
Equal Groups	Unequal Groups
 <p>There are two cherries in each group. It is equal.</p>	 <p>This is unequal. There is not the same amount of pencils in each group.</p>
 <p>There are ten sweets in each group. It is equal.</p>	 <p>This is unequal. There is not the same amount in each group.</p>

Challenge yourself: Joe is drawing equal groups of 3. Can you help him?



**Doubling:** Doubling is two groups of a number or amount. We will use abstract pictures to show this. What other resources could we use to show doubling?

Double 4 is 8



Double 8 is 16

**Division**

First we will look at how objects can be grouped equally.



You could group these mittens into groups of twos.

Or they could be grouped equally into fours.



We also look at sharing into equal groups too for division. For example:



Share the muffins equally between two plates.

