

# A Number Fun Quick Link Guide for:



## White Rose Maths



Year:



Number: Place Value

Autumn Term 2021:

Block:



Weeks:



to



Here is a quick reference guide to help you link the White Rose Planning with the Number Fun Resources.

This document contains hyperlinks to:

Key Number Fun Song Video – the ideal video to help children begin to explore this small step.

Additional Number Fun Links – additional resources to support and extend the learning within this small step.

Check out our [Guide to using Number Fun Videos and Portal effectively](#). Many Number Fun videos are accompanied by Teacher Ideas Packs, designed to provide creative games and activities to support the teaching of each objective.

For information about all the Number Fun Training, Consultancy and Resources visit: [www.numberfun.com](http://www.numberfun.com).

### Hyperlinks:



#### Click the Video Thumbnail

The hyperlink will take you to this song's page on the Number Fun Portal

(Note: You will need to log into the Number Fun Portal to access each song's resources.)



Click the Icon Thumbnail to hyperlink to this resource in the Number Fun online Shop



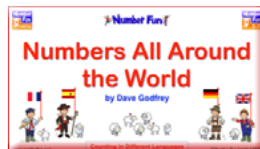
Click the Concept Teaching Video Thumbnail to hyperlink directly to the video

# Year: Autumn Weeks: to Number: Place Value

## Top Number Fun Warm-Up Suggestions



Children count in sequences whilst dancing as Jumping, Baked, Jelly, Chilli and Runner beans!



Farmer Pete has been on his holidays! He has discovered that different countries use different number names. In this video we meet Farmer Pete's Spanish, French and German counterparts.

## Top Number Fun Shop Suggestions

All shop suggestions are downloads unless highlighted otherwise.



### Year 2 Place Value Essentials

This document is an interactive PDF set of tables, number tracks, number lines and empty tens frames for use with the **White Rose** Year 2 Place Value units.



### 1 to 100 Image Cards

This set of image cards shows each number from 1 to 100 using 7 representations: Numerals, Words, Number Shapes, Base 10, Tens Frames, Abacus (100 Square), Place Value Counters. Great for reasoning and exploration of number.

## Small Steps

### 1: Count and Write Numbers to 20



A fun-filled video that helps children count to 20 and back. Can you keep up?



This video helps children learn how to spell number names from zero through to twenty.



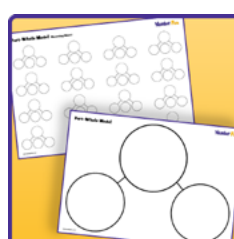
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### 2: Tens and ones within 20



Farmer Pete and his daughter Alice are filling Egg Boxes (10s Frames) with eggs. They are exploring numbers up to 20 and recognising, for example, that 16 is 1 ten and 6 ones, whilst also being 16 ones.



### Part/Whole Model

This free downloadable PDF document contains a range of Part/Whole Models, including models that partition into 3 and 4 parts. (Note: Part/Whole Models are also in the Year 2 Essentials Pack)

# Year: Autumn Weeks: to Number: Place Value

## 3: Counting Forwards and Backwards within 50



Children count in sequences whilst dancing as Jumping, Baked, Jelly, Chilli and Runner beans! The Jelly Bean verse counts back from 40 in 1s.



### Year 2 Place Value Essentials

This document is an interactive PDF set of tables, number tracks, number lines and empty tens frames for use with the **White Rose** Year 2 Place Value units.

## 4: Tens and ones within 50



In this video the number 24 is visualised and celebrated. Within the video a host of different representations of 24 are visualised, revealing many of its properties. Reason about the representations. Which representations are the most powerful in revealing 24 as 2 tens and 4 ones?



### 1-120 Base 10 Cards

These playing cards show every number from 1 to 120 in both numerals and Base 10 equipment. Great for number lines, reasoning and manipulating number.

## 5: Compare numbers within 50



This video helps introduce children to the greater than, less than and equals signs. The video contains images of Base 10 equipment and a 1-50 Number Grid. Play and pause as appropriate.



### 1 to 100 Image Cards

This set of image cards shows each number from 1 to 100 using 7 representations: Numerals, Words, Number Shapes, Base 10, Tens Frames, Abacus (100 Square), Place Value Counters. Great for reasoning and exploration of number.

## 6: Count objects to 100 & read & write numbers in numerals & words



This video helps children learn how to spell number names from zero through to twenty, and in tens to one hundred. (For just the Number Names to 20 - see separate video)



### 1-120 Base 10 Spelling Cards

This set of cards provides a powerful tool for exploring number and learning number names. Each number is accompanied by its Base 10 visualisation which can be matched with a number name card.

# Year: Autumn Weeks: to Number: Place Value

## 7: Represent Numbers to 100



This video explores and celebrates the number 48. Utilise the imagery and compare 48 with other numbers with children mirroring the manipulatives they see on the screen.



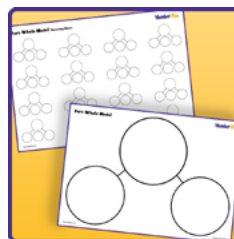
### 1 to 100 Image Cards

This set of image cards shows each number from 1 to 100 using 7 representations: Numerals, Words, Number Shapes, Base 10, Tens Frames, Abacus (100 Square), Place Value Counters. Great for reasoning and exploration of number.

## 8: Tens and ones with a part-whole model



Mick the Mechanic loves partitioning two-digit numbers. Each partition is accompanied by Base 10 imagery. Children can mimic Mick the Mechanic with their own Base 10 resources. Pause and reason before each partition.



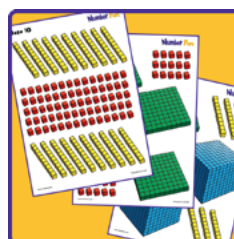
### Part/Whole Model

This free downloadable PDF document contains a range of Part/Whole Models, including models that partition into 3 and 4 parts.

## 9: Tens and ones using addition



In his second video, Mick the Mechanic partitions animals for Farmer Pete. Challenge the children to record the equations that accompany each image. E.g.  $14 = 10 + 4$ ,  $14 = 8 + 6$  within the first verse.



### Base 10 Imagery

This PDF includes versions of the Base 10 imagery used in the Number Fun videos. Ideal for use with a Part/Whole model if no concrete Base 10 materials are available.

## 10: Using a Place Value Chart



Papa Titoning is partitioning his logs into stacks of 10 and loose logs (ones). Play and pause the video at different points, encouraging children to represent the partitions using Base 10 materials and a Place Value Grid/Chart.



### Year 2 Place Value Essentials

This includes a set of place value grids for use alongside this small step.

# Year: Autumn Weeks: to Number: Place Value

## 11: Compare Objects



This video helps introduce children to the greater than, less than and equals signs. The video contains images of Base 10 equipment and a 1-50 Number Grid. Play and pause as appropriate.



### 1 to 100 Image Cards

This set of image cards shows each number from 1 to 100 using 7 representations: Numerals, Words, Number Shapes, Base 10, Tens Frames, Abacus (100 Square), Place Value Counters. Great for reasoning and exploration of number.

## 12: Compare Numbers



This video helps introduce children to the greater than, less than and equals signs. The video contains images of Base 10 equipment and a 1-50 Number Grid. Play and pause as appropriate.



### 1 to 100 Image Cards

This set of image cards shows each number from 1 to 100 using 7 representations: Numerals, Words, Number Shapes, Base 10, Tens Frames, Abacus (100 Square), Place Value Counters. Great for reasoning and exploration of number.

## 13: Order objects and numbers



### 1 to 100 Image Cards

This set of image cards shows each number from 1 to 100 using 7 representations: Numerals, Words, Number Shapes, Base 10, Tens Frames, Abacus (100 Square), Place Value Counters. Great for reasoning and exploration of number.

## 14: Count in 2s



This video has four different counts built into it. The first count is a count in 2s. (subsequent verses can be used with the next small steps)



Table Troopers links counting in multiples of 2 with the 2 times-table. The first verse counts in 2s up to the 12th multiple.



### 1-120 Number Grid

This A1 laminated, double-sided poster shows every number from 1 to 120 in both numerals and Base 10. Great for counting and number reasoning.

*Note: Physical Resource*

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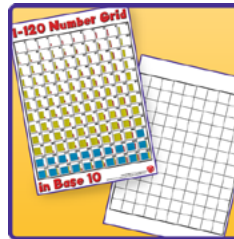
## 15: Count in 5s



Mr. Noah is counting the bees from his hive... in fives! The first verse counts kangaroos in 2s to reinforce the previous small step.



Table Troopers links counting in multiples of 5 with the 5 times-table. The first verse counts in 5s up to the 12th multiple.



### 1-120 Number Grid

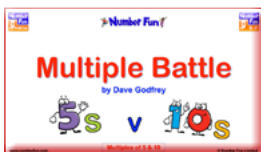
This A1 laminated, double-sided poster shows every number from 1 to 120 in both numerals and Base 10. Great for counting and number reasoning.

*Note: Physical Resource*

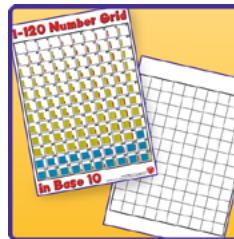
## 16: Count in 10s



Mr. Noah is counting his kangaroos again... in tens! The first two verses practice the previous small steps.



Split your children into two teams for a Multiple Battle! This video connects counting in multiples of 5 with counting in multiples of 10.

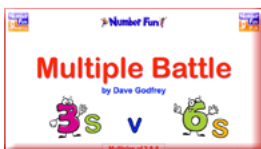


### 1-120 Number Grid

This A1 laminated, double-sided poster shows every number from 1 to 120 in both numerals and Base 10. Great for counting and number reasoning.

*Note: Physical Resource*

## 17: Count in 3s



Split your children into two teams for another Multiple Battle! This video connects counting in multiples of 3 with counting in multiples of 6.



This video has four different counts built into it. The final verse has a count in 3s, but starting at 1! Ask your children to reason about what's happening in this final verse.



### 1-120 Number Grid

This A1 laminated, double-sided poster shows every number from 1 to 120 in both numerals and Base 10. Great for counting and number reasoning.

*Note: Physical Resource*