A Number Fun Quick Link Guide for:

White Rose Maths

Year: 4

Number: Addition and Subtraction

Autumn Term 2021:

Block: 2 Weeks: 5 to 7

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

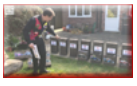
This document contains hyperlinks to:
Key Number Fun Song Video – the ideal video to help children begin to explore this small step.
Additional Number Fun Links – additional resources to support and extend the learning within this small step.

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.

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

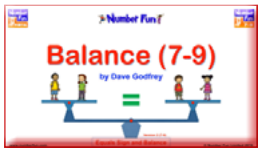


Click the Concept Teaching Video Thumbnail to hyperlink directly to the video

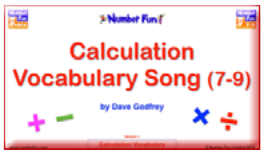
Year: 4 Autumn Weeks: 5 to 7

Number: Addition and Subtraction

Top Number Fun Warm-Up Suggestions



This video reminds children that one of the crucial was of interpreting the equals sign is a balance. Explore with your children different meanings for this sign.



This Number Fun video helps children find the Total, Sum, Difference, Product and Quotient of two numbers. Great for reminding children of this key vocabulary.

Top Number Fun Shop Suggestions

All shop suggestions are downloads unless highlighted otherwise.

Years 3 & 4 Addition & Subtraction Essentials

This document is an interactive PDF set of grids, tables and templates for use with the **White Rose** Year 4 Addition and Subtraction units.

Base 10 Playing Cards

This pack includes pictures of the Base 10 equipment inside a 10s Frame. Much like an ordinary pack of playing cards, it has 4 'suits' which are the 1000s, 100s, 10s and 1s. Great for creating 4 digit numbers, plus a host of games!

Small Steps

1: Add and subtract 1s, 10s, 100s and 1,000s

Choose one of the numbers and pause. Then turn over a Base 10 Playing Card (see shop resources) and explore adding or subtract that value. Play as a game. Win a point if you can add or if you can subtract that value without regrouping! E.g. 4265 + 50 (no point) 4265 - 50 (point!)

Base 10 Playing Cards

This pack includes pictures of the Base 10 equipment inside a 10s Frame. Much like an ordinary pack of playing cards, it has 4 'suits' which are the 1000s, 100s, 10s and 1s. Great for creating 4 digit numbers, plus a host of games!

2: Add two 3-digit numbers - not crossing 10 or 100

Take a set of screenshots from this video of the six 3-digit numbers represented (see Essentials Pack). Set up a problem solving task - which is the biggest 3-digit number we can add to each existing number without crossing 10 or 100?

Years 3 & 4 Addition & Subtraction Essentials

This interactive PDF includes a page that features the Base 10 visualisations of all 6 numbers featured in video One Hundred.

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Number: Addition and Subtraction

3: Add two 4-digit numbers - no exchange

Take a set of screenshots from this video of the six 4-digit numbers represented (see Essentials pack). Set up a problem solving task - which is the biggest 4-digit number we can add to each existing number without any exchanging?

Years 3 & 4 Addition & Subtraction Essentials

This interactive PDF includes a page that features the Base 10 visualisations of all 6 numbers featured in video One Thousand.

4: Add two 3-digit numbers - crossing 10 or 100

Papa Titioning is adding two 3-digit numbers together. Explore the full video as a model for helping children understand column addition.

Years 3 & 4 Addition & Subtraction Essentials

This interactive PDF includes a place value grid to use with Base 10 materials or place value counters.

5: Add two 4-digit numbers - one exchange

Take a set of screenshots from this video of the six 4-digit numbers represented (see Essentials pack). Challenge the children to generate a partner number for each number in the video. The partner number should be a 4-digit number which, when added, only leads to one exchange and leads to the biggest or smallest total possible.

Years 3 & 4 Addition & Subtraction Essentials

This interactive PDF includes a page that features the Base 10 visualisations of all 6 numbers featured in video One Thousand.

6: Add two 4-digit numbers - more than one exchange

Take a set of screenshots from this video of the six 4-digit numbers represented. Challenge the children to add combinations of these numbers together.

Years 3 & 4 Addition & Subtraction Essentials

This interactive PDF includes a page that features the Base 10 visualisations of all 6 numbers featured in video One Thousand.

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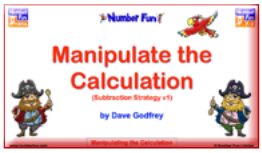
7: Subtract a 3-digit number from a 3-digit number - no exchange



Here's a Mastery strategy for subtraction that is based on the concept of 'same difference'. Watch the video and reason about the strategy. Explore examples of your own.

Years 3 & 4 Addition & Subtraction Essentials

This interactive PDF includes a page that includes a template for the digit card challenge found in the Reasoning and Problem Solving ideas in the White Rose materials.

8: Subtract two 4-digit numbers - no exchange

Base 10 Playing Cards

This pack includes pictures of the Base 10 equipment inside a 10s Frame. It has 4 'suits' which are the 1000s, 100s, 10s and 1s. Design a game where children deal cards to create 4-digit subtraction with no exchanging.

9: Subtract a 3-digit number from a 3-digit number - exchange

Papa Titioning is subtracting a 3-digit number of logs from 834. Explore the full video as a model for helping children understand column subtraction.

10: Subtract two 4-digit numbers - one exchange

Remind children of Papa Titioning's Subtraction Song. Papa Titioning has containers of 1000 logs. Can you extend the story to include containers of 1000 using place value counters or Base 10 materials?

Base 10 Playing Cards

This pack includes pictures of the Base 10 equipment inside a 10s Frame. It has 4 'suits' which are the 1000s, 100s, 10s and 1s. Design a game where children deal cards to create 4-digit subtraction with only exchange.

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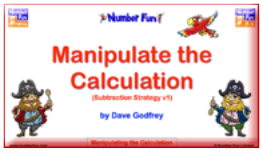
11: Subtract two 4-digit numbers - more than one exchange

Continue to reference Papa Titioning's Subtraction Song as a story context that can be extended subtracting 4-digit numbers.

12: Efficient subtraction



Remind children of this Mastery strategy for subtraction that is based on the concept of 'same difference'. Explore Ron and Rosie's and Dexter's methods - which ones are linked to the 'Manipulate the Calculation' strategy? (Rosie's)

Base 10 Playing Cards

Much like an ordinary pack of playing cards, this download has 4 'suits' - 1000s, 100s, 10s and 1s. This resource allows children to generate their own four-digit numbers to compare!

13: Estimate answers

Years 3 & 4 Addition & Subtraction Essentials

This interactive PDF includes a page that features the Base 10 visualisations of all 6 numbers featured in video One Thousand. Estimate the totals when two of these numbers are added together.

14: Checking strategies

Years 3 & 4 Addition & Subtraction Essentials

This interactive PDF includes a template for the number square challenge found in the Reasoning and Problem Solving ideas in the White Rose materials.