

# A Number Fun Quick Link Guide for:



# White Rose Maths



Year:



**Note:** There are no Number Fun resources that link directly to the specific White Rose Small Steps found within this Block.

The following notes suggest how existing Number Fun videos and resources might be used creatively to support the teaching of these small steps.



## Number: Statistics

## Autumn Term 2021:

Block:



Weeks:



&



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: &

## Number: Statistics

### Top Number Fun Warm-Up Suggestions



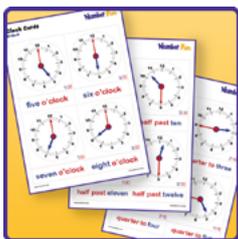
This is a quick recall challenge for the toughest of the multiplication table facts. Play the video and encourage your children to state the facts on the beat. Ideally use the 'Delayed Reveal, Challenge Only' version at the bottom of the song page.



This video explores time-gaps. The data found within each verse of the song may later be transferred into line graphs. (See suggestion for Small Step 5: Draw Line Graphs)

### Top Number Fun Shop Suggestions

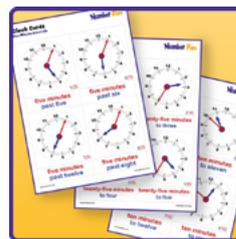
All shop suggestions are downloads unless highlighted otherwise.



#### Clock Cards (1)

This is a comprehensive set of clock cards that show each hour, half-hour and quarter of an hour.

These cards can be used to explore the estimates of values in a line graph at different times. (See Line Graph suggestions)



#### Clock Cards (2)

This is a comprehensive set of clock cards that show the time every five minutes - the times not featured in Clock Cards (1).

Again, these cards can be used to explore the estimates of values in a line graph at different times. (See Line Graph suggestions)

## Small Steps

### 1: Interpret charts



When Dave is given a box of chocolates he decides to make a chart using all the chocolates from the box.

Pause, predict and reason. What does the completed chart tell us?

### 2: Comparison, sum & difference



Take a screen grab of the final pictogram / chart. Explore the concepts of comparison, sum and difference.

Set up word and reasoning problems based on this image.

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### 3: Introduce line graphs

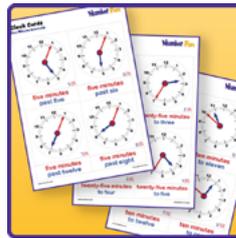


#### Clock Cards (1)

This is a comprehensive set of clock cards that show each hour, half-hour and quarter of an hour.

Print out selected cards and cut up. Use alongside the first varied fluency task. Turn over a random card, e.g. 9:30. What might the playground temperature be at 9:30? Why is 5 degrees an estimate?

### 4: Read and interpret line graphs



#### Clock Cards (2)

This is a comprehensive set of clock cards that show the time every five minutes - the times not featured in Clock Cards (1).

Use alongside the first varied fluency tasks. Turn over a random card to reveal a suitable time in the day and reason about the temperature at that time.

### 5: Draw line graphs



There are four verses in this video - imagine these verses represent Monday to Thursday. Watch the video and harvest the data. Create line graphs based on (a) The time when Tommy asks 'Mum, how long until Tea?' (b) The time 'Tea' is ready (c) The time gaps (how long he has to wait).

### 6: Use line graphs to solve problems

There are currently no suggested Number Fun resources to support this small step.

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### 7: Read and interpret tables

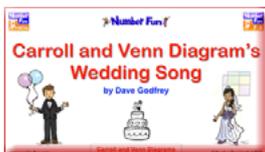


Carroll and Venn Diagram are getting married but they can't agree on the seating plan for the wedding. Carroll wants to seat all 100 guests in a Carroll Diagram arrangement whilst Venn wants to seat them in a Venn Diagram arrangements. Explore the song and the charts and tables represented in the video.



**Carroll and Venn Diagrams**  
Check out the Teacher Ideas Pack that accompanies this video for a set of blank charts for the creation of block charts plus Carroll and Venn diagrams.

### 8: Two-way tables



At the end of the video, Carroll Diagram gets her way - her seating plan is a two-way table.

Reason about Carroll's arrangement and how two-way tables work.

Ask 'What if?' questions based on this story scenario to extend the reasoning using larger numbers.



**Carroll and Venn Diagrams**  
Check out the Teacher Ideas Pack that accompanies this video for a set of blank two-way tables.

### 9: Timetables

There are currently no suggested Number Fun resources to support this small step.