

# A Number Fun Quick Link Guide for:



## White Rose Maths



Year:



**Measurement: Mass and Capacity**

**Summer Term 2022:**

**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: 3 Summer Weeks: 9 to 11

## Measurement: Mass and Capacity

### Top Number Fun Warm-Up Suggestions



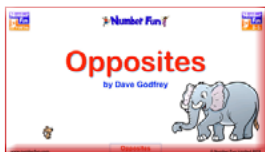
The Measurement Conversion Song includes both the conversions of kilograms into grams and litres into millilitres.



This video helps children remember how many days there are in each month.

### Small Steps

#### 1: Compare mass



Explore mass in this simple story about Mouse and Elephant. Is the mass of the mouse greater than, less than or equal to the mass of the elephant. What sign might we use? Use this as a starting point.

#### 2: Measure mass (1)



Pirate Captain Hugh is creating a very silly piratey stew. Alongside a metre length of string and a litre jug of cola, Hugh adds a kilogram of rice to his ridiculous stew. Use as a starting point for exploring grams and kilograms.



The Measurement Conversion Song includes both the conversions of kilograms into grams and litres into millilitres.

#### 3: Measure mass (2)

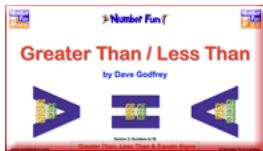


This video introduces the fact that we can measure our height in metres, our drinks in litres and biscuits in kilograms. Play the chorus and then measure a cookie/biscuit on some weighing scales. Connect grams and kilograms.

# Year: Summer Weeks: to

## Measurement: Mass and Capacity

### 4: Compare mass



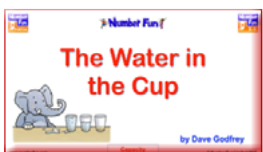
Play the first section of this video to remind children about the greater than, less than and equal signs. Can these signs be used when comparing mass? How?

### 5: Add and subtract mass



Use this story structure as a story basis for calculating mass. Suggest some 'What if' scenarios. For example, what if the mass of each banana is 100 grams? What is the combined mass of the bananas in each verse? How much heavier is the boys bunch of bananas than the girls? Etc.

### 6: Compare volume



Challenge your children to create their own version of 'The Water in the Cup' which features the language of 'quarter', 'half' and 'three quarters' full. Use the backing track recording to celebrate the learning.

### 7: Measure capacity (1)



Challenge your children to create another version of the 'The Water in the Cup' song. This time provide them with cups and containers clearly marked with millilitres on. Encourage children to use correct mathematical language as they describe their values.



The Measurement Conversion Song includes both the conversions of kilograms into grams and litres into millilitres.

# Year: Summer Weeks: to

## Measurement: Mass and Capacity

### 8: Measure capacity (2)



Return to Pirate Captain Hugh's very silly piratey stew. Recap on all the standard units identified in the video. Challenge children to reason about the capacity of Pirate Captain Hugh's Pot. Play, 'What if?' scenarios. E.g, What is the capacity of Hugh's Pot if he can pour five and a half jugs of water into it? Extend into activity.

### 9: Compare Capacity



Dave and his Grandma are celebrating standard units of measure. In the video, Grandma notes that she measures her Horlicks in litres. The image is given of a mug. Do all mugs have the same capacity? What capacity do they have? Investigate a set of 'Grandma's' mugs and compare capacities.

### 10: Add and subtract capacity



You may wish to extend the story found in this video into today's small step. If both Dave and Grandma have cups of Horlicks, what is the combined capacity? How much more Horlicks can Grandma fit into her mug? Etc.

### 11: Temperature



This UKS2 video can be used as an introduction to the language of temperature. The crew of the Starship Number Fun are on shore leave and are about to be beamed up to the starship. Pause at 26 seconds and explore the first bit of language used by the crew... 'It's 15 degrees down here and it's a lot warmer on the ship'. What does this mean? Explore the video as appropriate (it gets suitably silly!).