

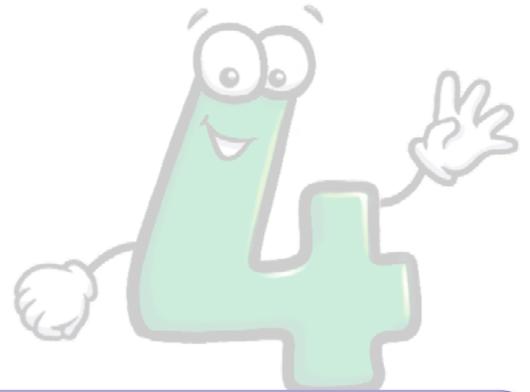
A Number Fun Quick Link Guide for:



White Rose Maths



Year: 



Number: Fractions

Spring 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.

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

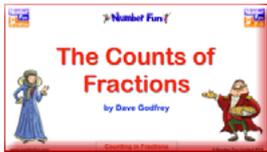


Click the Concept Teaching Video Thumbnail to hyperlink directly to the video

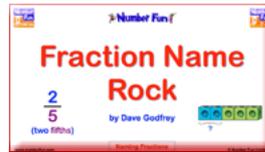
Year: Spring Weeks: to

Number: Fractions

Top Number Fun Warm-Up Suggestions



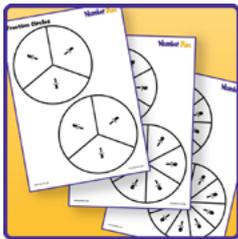
Countess Vulga and Count Mixeda are counting in vulgar and mixed fractions (mixed numbers). They battle it out to count in halves, thirds and quarters.



Fraction Name Rock helps children name fractions accurately, use the correct terminology for numerator and denominator and recognise fractions using the image of cubes.

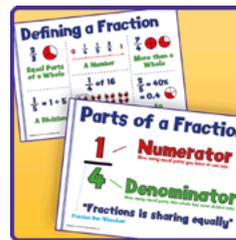
Top Number Fun Shop Suggestions

All shop suggestions are downloads unless highlighted otherwise.



Fraction Circles

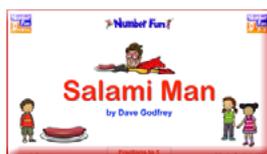
A set of fraction circles from wholes, halves, thirds etc. through to tenths and twelfths. This versatile set of fraction circles can be printed (different coloured paper for each fraction), laminated and then utilised for a host of fraction concepts.



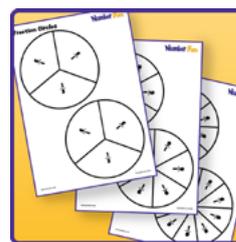
Fraction Essentials

This is a set of 11 key posters taken from our Visual Fractions Policy. These essentials include key vocabulary and conceptual understanding posters for display during this fractions block.

1: Unit and non-unit fractions



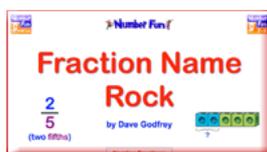
Salami Man is a fractions superhero who brings meat back to the people. The video explores combinations of fractions that total 1. Play and reason, and explore different representations of the fractions involved. Some are unit and others non-unit fractions.



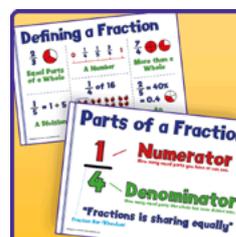
Fraction Circles

A set of fraction circles from wholes, halves, thirds etc. through to tenths and twelfths. A powerful tool for visualising both unit and non-unit fractions.

2: What is a fraction?



Fraction Name Rock helps children name fractions accurately, use the correct terminology for numerator and denominator and recognise fractions using the image of cubes.



Fraction Essentials

This is a set of 11 key posters taken from our Visual Fractions Policy. These essentials include key vocabulary and conceptual understanding posters for display during this fractions block.

Year:  4

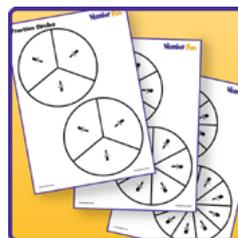
Spring Weeks:  5 to  8

Number: Fractions

3: Tenths



Farmer Pete is counting eggs from his chickens. At the end of each verse he finds himself with a number of eggs in tens frames. Explore screenshots or pause the video to reason what fraction of each egg box is full. (This is a Key Stage 1 addition video)



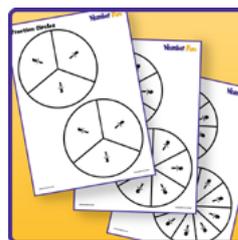
Fraction Circles

A set of fraction circles from wholes, halves, thirds etc. through to tenths and twelfths. Print out, cut up and utilise the tenths page to explore both unit and non-unit fractions.

4: Count in tenths



In this version of Perfect Patterns your children will be encouraged to count in halves (first 2 verses) and tenths (verses 3 & 4). Alternate verses count in vulgar (simple fractions) and mixed numbers (mixed fractions).



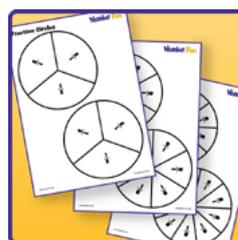
Fraction Circles

A set of fraction circles from wholes, halves, thirds etc. through to tenths and twelfths. Print out, cut up and utilise the tenths page and cut into tenths. Children can then lay tenths down as they count together with a partner (or these could be used under a visualiser)

5: Equivalent fractions (1)



Use this Key Stage 1 video as a basis for reasoning. The video explores halves and quarters, with the third verse stating that 2 quarters equals 1 half. What if the pizzas were cut into eighths or sixths - what equivalent fractions might be generated.



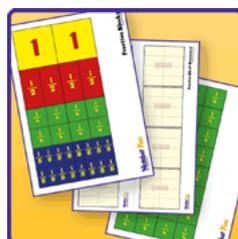
Fraction Circles

A set of fraction circles from wholes, halves, thirds etc. through to tenths and twelfths. Carefully prepare a set of cut out circles that feature equivalent fractions. E.g. $\frac{1}{2}$, $\frac{2}{4}$, $\frac{3}{6}$ ths, $\frac{4}{8}$ ths etc. Can the children match the equivalent fractions?

6: Equivalent fractions (2)



Why not download the Perfect Pizza Parlour PowerPoint presentation and adapt the lyrics to this song. What equivalent fractions can you sing about using the backing track? E.g. half a pizza cut in three, three equal sixths.



Fraction Blocks

This is an amazingly powerful tool for helping children calculate with fractions (halves, quarters and eighths). This concrete resource provides another tool to explore equivalent fractions for halves, quarters and eighths.

Year:  4

Spring Weeks:  5 to  8

Number: Fractions

7: Equivalent fractions (1)



This Fraction House Rock video provides an engaging way of exploring equivalent fractions. Children sing through the mathematics whilst visualising the fractions. Great for adapting using the backing track and downloadable PowerPoint presentation.



Equivalent Fraction Cards

This is an extensive set of cards that show 5 equivalences for halves, thirds, quarters, fifths, sixths, eighths and tenths. Great for trading and other reasoning challenges.

8: Equivalent fractions (2)



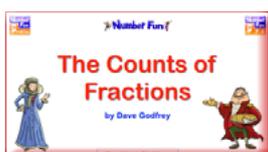
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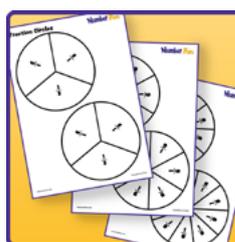
Equivalent Fraction Cards

This is an extensive set of cards that show 5 equivalences for halves, thirds, quarters, fifths, sixths, eighths and tenths. Great for trading and other reasoning challenges.

9: Fractions greater than 1



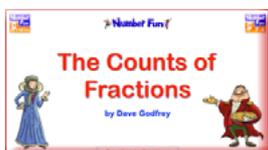
Explore the introduction section to this fun-filled counting song. Countess Vulga and Count Mixeda are counting in vulgar and mixed fractions (mixed numbers). They both count in fractions in different ways, with both counting in fractions greater than 1.



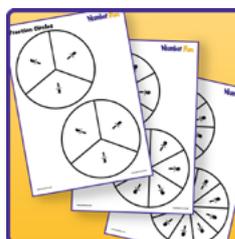
Fraction Circles

A set of fraction circles from wholes, halves, thirds etc. through to tenths and twelfths. This versatile set of fraction circles can be printed (different coloured paper for each fraction), laminated and then utilised for a host of fraction concepts including this one.

10: Count in fractions



Countess Vulga and Count Mixeda are counting in vulgar and mixed fractions (mixed numbers). They battle it out to count in halves, thirds and quarters. This time explore the full song.



Fraction Circles

A set of fraction circles from wholes, halves, thirds etc. through to tenths and twelfths. Provide each group with a set of fractions (e.g. halves, thirds or quarters). Children count in both vulgar fractions and mixed numbers as they lay the pieces down.

Year: 

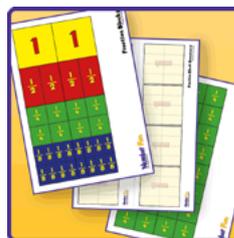
Spring Weeks:  to 

Number: Fractions

11: Add fractions



Pirate Captain Hugh and Pirate Captain Bert both have a non-unit fraction of a chocolate bar. In this video they find out how much chocolate they have altogether and how much more one pirate has than that other. First verse has a total less than one whole.



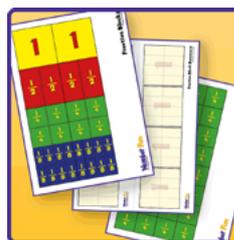
Fraction Blocks

This is an amazingly powerful tool for helping children calculate with fractions (halves, quarters and eighths). This concrete resource is a really powerful tool for adding halves, quarters and eighths.

12: 2 or more fractions



Pirate Captain Hugh and Pirate Captain Bert both have a non-unit fraction of a chocolate bar. In this video they find out how much chocolate they have altogether and how much more one pirate has than that other. Verses two and three total involves improper fractions.



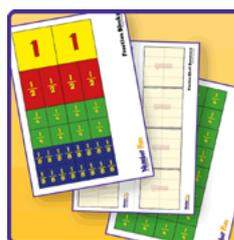
Fraction Blocks

This is an amazingly powerful tool for helping children calculate with fractions. Use this concrete resource for adding halves, quarters and eighths.

13: Subtract fractions



Pirate Captain Hugh and Pirate Captain Bert both have a fraction of a chocolate bar. In this video they find out how much chocolate they have altogether and how much more one pirate has than that other. Focus on the subtraction by comparison that is visualised in the video.



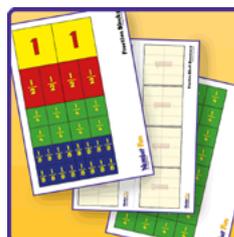
Fraction Blocks

This is an amazingly powerful tool for helping children calculate with fractions (halves, quarters and eighths). Use this concrete for subtracting fractions. E.g. 7 eighths subtract 3 eighths.

14: Subtract 2 fractions



Refer back to Pirate Captain Hugh and Pirate Captain Bert's story. Create your own pirate stories that involve the consumption of chocolate. What if Pirate Captain Hugh had 13 eighths of a treasure bar and Pirate Captain Bert ate 5 eighths. Who much chocolate would P.C.H. have left? Model using Fraction Blocks.



Fraction Blocks

This is an amazingly powerful tool for helping children calculate with fractions (halves, quarters and eighths). Use this concrete for subtracting fractions. E.g. 7 quarters subtract 4 quarters.

Year: 

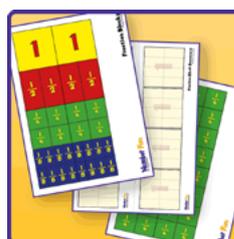
Spring Weeks:  to 

Number: Fractions

15: Subtraction from whole numbers



This is an alternative version of the Chocolate Bar Song. In this version Pirate Captain Hugh and Pirate Captain Bert are adding and subtracting a whole chocolate bar and a fraction of a chocolate bar!



Fraction Blocks

This is an amazingly powerful tool for helping children calculate with fractions (halves, quarters and eighths). Use this concrete for subtracting fractions from a whole number. E.g. $2 - 3/4 = 1 \text{ and } 1/4$.

16: Fractions from a set of objects (1)



This Key Stage 1 sharing video might be helpful to explore here. Fractions are based on sharing numbers and quantities equally.

Play, pause, mute the audio and watch carefully. Can you see halves, thirds, quarters and sixths of 12 toys represented in the story?

17: Fractions from a set of objects (2)



Return to this Key Stage 1 sharing video. Take screen grabs and explore the fractions that you can see. E.g. A screenshot at 2:09 provides an opportunity to explore $1/3$ of 12 (toys for girls) and $2/3$ of 12 (toys for boys).

18: Calculate fractions of a quantity



Honest Joe has brought some party bags full of sweets. He's allowing us to take a fraction of the sweets from each bag to share. Challenge your children to work out how many sweets they are allowed to take. Pause and reason together.



Chocolate Bar Fractions

This download contains 6 different worksheets that contain chocolate bars with 12, 16, 20, 24, 40 and 48, 54 & 56 chunks respectively. These bars can be utilised to help children explore and represent fractions of a quantity.

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19: Problem solving - calculate quantities



Honest Joe has brought some party bags full of sweets. He's allowing us to take a fraction of the sweets from each bag to share. Create your own Honest Joe Party Bag problems.