

Focus: Fractions

Time: 3 weeks

R2P: 3F-1, 3F-2, 3F-3, 3F-4

NC

Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.

Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.

Solve problems that involve all of the above.

Concept Sequence

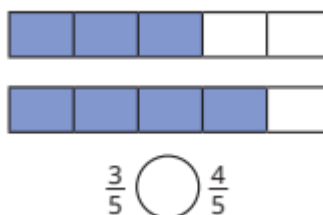
- Understand the denominators of unit fractions – unit fractions.
- Compare and order unit fractions – note that if they split the whole into 4 equal parts, the parts are bigger than if they had split the whole into ten equal parts.
- Understand the numerators of non-unit fractions – note that non-unit fractions are made up of a quantity of unit fractions.
- Understand the whole - part whole model. Know that numerator and denominator is the same.
- Compare and order non-unit fractions – use different representations.
- Fractions and scales – focus on halves, quarters, thirds. The whole is always 1.
- Fractions on a number line.
- Count in fractions on a number line – count forwards and backwards.
- Equivalent fractions on a number line.
- Equivalent fractions as bar models.

Existing Vocabulary

- Fraction
 - Equal part/groups
 - Equal sharing
 - Part/part of a whole
 - Half
 - One of two equal parts
 - Quarter
 - One of four equal parts
 - Equivalent fraction
 - Mixed number
 - Numerator, Denominator
 - Two halves, Two quarters
 - Three quarters
 - Four quarters
 - One third
 - One of three equal parts
 - Two thirds, Three thirds
 - Equivalent, Compare, Order
- New Vocabulary**
- Fifths, Sixths, sevenths, eighths, tenths...twelfths.

Resources

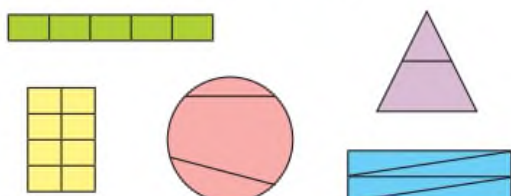
- Objects, Hoops, Strips of paper
- Number Lines, Counting Stick
- Gordons Maths Games, Mathletics, TTRockstars
- BBC Super Movers
- <https://www.bbc.co.uk/teach/supermovers/ks2-collection/zr4ky9q>
- Working Wall – stem sentences



Times Tables 3NF-2

8x table (link 4x) - Recall multiples, missing numbers, division, fractions

Which shapes have been split into equal parts?



Planning Links

- Power Maths, Maths No Problem, Aspire Maths
- White Rose Scheme of Work: <https://assets.whiterosemaths.com/new-schemes/Year%203%20Spring%20Block%203%20SOL%20Fractions%20A.pdf>
- NCETM Teacher Guide and Representations: <https://www.ncetm.org.uk/teaching-for-mastery/mastery-materials/primary-mastery-professional-development/fractions/>