$\frac{3}{4}, \frac{\square}{\square}, 1\frac{3}{4}, 2\frac{1}{4}$

Crosby Primary School

Mathematics Medium Term Plan

Year 5 Autumn Term Unit 4 Fractions

Concept Sequence

Recap Fraction modelling.

Equivalence Unit fractions – use models and concrete representations. Make links with multiplication and division then apply abstract method to find equivalent fractions.

Equivalent non-unit fractions

Recognise equivalent fractions

Recap fractions greater than 1 Y4

Improper fractions to mixed numbers – show visually first.

Mixed Number to Improper fractions – use concrete and pictorial methods to understand the abstract method

Count forwards and backwards in fractions and number sequences – find missing fractions in a sequence and continue sequences. Note if increasing/decreasing and by how much.

Compare fractions less than 1. (Denominators are multiples of the same number) – find a common denominator or numerator. Use bar models to support.

Order fractions less than 1. (Denominators are multiples of the same number) – find a common denominator or numerator. Use bar models to support.

Compare and order fractions greater than 1 – find common denominators. Compare Improper fractions and Mixed numbers.

Add and Subtract – same denominator. Use bar models.

Add fractions within 1– denominator is multiple of same number. Use pictorial representations.

Add fractions greater than 1 – convert improper to mixed number.

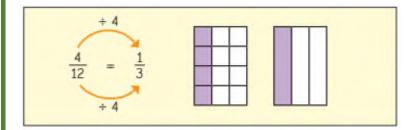Add to a Mixed Numbers. Add two fractions where one is are mixed numbers or improper fractions

Add two Mixed numbers - Record answers in simplest form.

Subtract fractions – with different denominators where one denominator is a multiple of the other. Explore as take away and difference.

Subtract from a Mixed Numbers 1 – where one denominator is a multiple of the other to subtract proper fractions from mixed numbers. Use models and number lines.

Subtract Mixed Numbers 2 – Mixed number needs to be broken up.

Subtract 2 Mixed Numbers – convert to improper fractions.

Focus: Fractions   **Time:** 4 weeks

Times Tables 5NF-1
Consolidate and practice all multiplication and division facts to 12x12 – any order, missing numbers, fractions.
Use multiplication and division facts to derive associated facts.
Develop multiplicative reasoning - links between multiplication, division and fractions.

Vocabulary
Bar Model
Fraction, Equivalent fraction, Mixed number
Numerator, Denominator
Whole, equal part, Equal grouping/sharing
Parts of a whole, X of Y equal parts,
Half, two halves
Quarter, two quarters….
Third, two thirds…..
Fifths, sixths, sevenths, eighths, tenths, hundredths
proportion
New Vocabulary
Proper/improper fraction
Equivalent, simplify, reduced to , cancel, thousandths

Planning Links
Power Maths/Maths No Problem/Aspire Maths
White Rose Scheme of Work:
https://assets.whiterosemaths.com/new-schemes/Y5%20Autumn%20Block%204%20SOL%20Fractions%20A.pdf
NCETM:
https://www.ncetm.org.uk/teaching-for-mastery/mastery-materials/primary-mastery-professional-development/fractions/

Resources
Number lines, Bar Models
Gordons Maths Games, Mathletics, TTRockstars
BBC Super Movers
https://www.bbc.co.uk/teach/supermovers/ks2-collection/zr4ky9q

$$\frac{4}{12} = \frac{1}{3}$$
(÷ 4)