Crosby Primary School	Mathematics Medium Term Plan Year 3 Summer Term	Unit 1 Fractions B (3 Weeks)

National Curriculum

- Add and subtract fractions with the same denominator within one whole.
- Solve problems that involve all of the above.

Ready to Progress

- 3F–1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.
- 3F–2 Find unit fractions of quantities using known division facts (multiplication tables fluency).
- 3F–4 Add and subtract fractions with the same denominator, within 1.

Times Tables
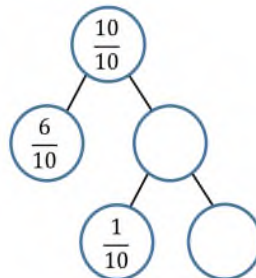
- Mix 2x 5x 10x 3x 4x

Ready to Progress

- 3NF–2 Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.

Dexter has used a bar model and counters to find $\frac{1}{4}$ of 12

Concept Sequence

- Add fractions – same denominator, within 1. Note denominator doesn't change.
- Subtract fractions – use practical and pictorial images. Same denominator, within 1.
- Partition the whole – split whole into unit and non-unit fractions. Use number bonds. Use different representations including bar models and part-whole models.
- Unit fractions of a set of objects – make links with known division facts.
- Non-unit fraction of a set of objects – use bar models.
- Reasoning with fractions of an amount – include multi-step calculations. Make links with area, perimeter and measures.

We can use this model to calculate $\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$

New Vocabulary

Fraction, Equal part/groups, Equal sharing
Part/part of a whole, Half, One of two equal parts
Quarter, One of four equal parts
Mixed number
Numerator, Denominator
Halves, quarters, thirds, fifths, sixths, sevenths, eighths, tenths…twelfths.

Planning Links

White Rose Scheme of Work:
https://assets.whiterosemaths.com/new-schemes/Year%203%20Summer%20Block%201%20SOL%20Fractions%20B.pdf
NCETM Teacher Guide and Representations:
https://www.ncetm.org.uk/teaching-for-mastery/mastery-materials/primary-mastery-professional-development/fractions/
White Rose, Power Maths, Maths No Problem, Aspire Maths

Resources

Objects, Hoops, Number Lines, Counting Stick, Part Whole Models
Working Wall, stem sentences
Gordons Maths Games, Mathletics, TTRockstars

BBC Super Movers
https://www.bbc.co.uk/teach/supermovers/ks2-collection/zr4ky9q