



## Crosby Primary School

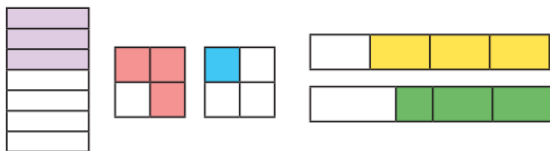
## Mathematics Medium Term Plan Year 2 Summer Term

## Unit 1 Fractions (4 Weeks)

### National Curriculum

- Recognise, name and write fractions ( $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$ ,  $\frac{3}{4}$ ) of a length, shape, set of objects or quantity.
- Write simple fractions (eg.  $\frac{1}{2}$  of  $6=3$ ) and recognise equivalence of  $\frac{2}{4}$  and  $\frac{1}{2}$ .

Which shapes show  $\frac{3}{4}$ ?



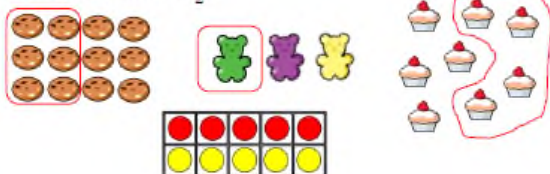
### Times Tables

- Mix 2x 5x 10x table

### Ready to Progress

- 2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables.
- 2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotitive division).

Which pictures show  $\frac{1}{2}$ ?



### Concept Sequence

- Introduction to parts and wholes – use concrete and pictorial examples.
- Equal and unequal parts - make equal/unequal parts with objects and pictures.
- Recognise a half – split one whole into 2 equal parts. Introduce notation and sentence stems. Use language of numerator and denominator. Explore halves in different contexts – lengths, shapes, objects.
- Find a half – of objects/quantities. Link to dividing by 2. Link to sharing – make 2 equal groups.
- Recognise a quarter – use knowledge of halves to recognise quarters of shapes, objects and quantities.
- Find a quarter – find  $\frac{1}{4}$  of shapes, objects and quantities. Physically share amounts into 4 equal groups, draw around quantities moving to the abstract.
- Recognise a third – continue to use language of whole and equal parts. One third is equal to one part out of three. Use notation.
- Find a third – use division and sharing to find  $\frac{1}{3}$  using concrete and pictorial representations.
- Find the whole – use diagrams and practical resources.
- Unit fractions – introduce terminology, one part of a whole. Link this to halves, thirds and quarters. Denominator represents the number of parts the shape/quantity is split into.
- Non-unit fractions – introduce  $\frac{2}{3}$  and  $\frac{3}{4}$ . Look at fractions where the whole is shaded – numerator and denominator is the same.
- Equivalence of  $\frac{1}{2}$  and  $\frac{2}{4}$  - use strips of paper, concrete apparatus.
- Recognise three quarters – use quarters to help. Work concretely and pictorially before making connections to abstract. Spot patterns and relationships between quarters of amounts.
- Count in fractions up to a whole – count to 10 seeing that fractions can be larger than one. Use number lines, counting sticks to support.

### New Vocabulary

Fraction, equal part/groups, equal sharing, part/part of a whole, whole  
Equivalent fraction, Mixed number  
Numerator, Denominator  
Unit/Non-unit fractions  
Half, one of two equal parts, two halves,  
Quarter, one of four equal parts, two quarters, three quarters, four quarters  
One third, One of three equal parts, Two thirds, Three thirds

### Planning Links

White Rose Scheme of Work:  
<https://assets.whiterosemaths.com/new-schemes/Year%202%20Summer%20Block%201%20SOL%20Fr-actions.pdf>  
NCETM Teacher Guide and Representations:  
<https://www.ncetm.org.uk/teaching-for-mastery/mastery-materials/primary-mastery-professional-development/fractions/>  
Primary Stars Resources:  
<https://primarystarseducation.co.uk/2022/#viewo>  
White Rose Maths, Power Maths, Maths No Problem, Aspire Maths

### Resources

Objects, Hoops, Strips of paper  
Number Lines, Counting Stick  
Gordons Maths Games, Mathletics, TTRockstars  
Working Wall – stem sentences  
BBC Super Movers  
<https://www.bbc.co.uk/teach/supermovers/ks1-maths-collection/z6v4scw>

Which shapes represent one third?



Sort the fractions into unit fractions and non-unit fractions.

