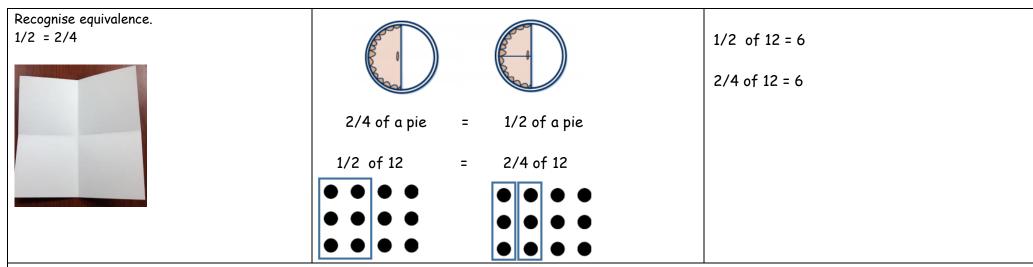
	Fractions	<u> </u>			
 Foundation Stage Objectives: Solve practical problems involving sharing and halving. See Division section of policy. Year 1 Objectives: Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. 					
Concrete	Pictorial	Abstract			
Pupils will use practical objects, including within their role play and outside areas to find 1/2 and 1/4 of different amounts and shapes.					
Bar Model using strips of paper, I find 1/2	E.g. find half $(\frac{1}{2})$ of the items on each picture or	Half of 10 = 5			
and 1/4 by folding and cutting different	shape. Do the same for a quarter $(1/4)$.	1/2 of 6 = 3			
sizes and shapes in order to support their understanding of fractions.		A quarter of 20 = 1/4 of 8 = 2			
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Year 2 Objectives:

- Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity
- Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2.

Concrete	Pictorial	Abstract
	Find different ways of finding fractions of shapes 3/4 of a rectangle, for example.	
	2/4 of a quantity. 2/4 of 8 = 4	



Year 3 Objectives:

- Recognise and show, using diagrams, equivalent fractions with small denominators
- Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]
- Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number

Recognise and show equivalent fractions using fraction bars/strips, for example	David says two sixths is the same as one third. Is he correct? How do you know?
Fractions of a discrete set of objects.	
Unit fraction 1/8	1/5 of 15 sweets = 3 (15 ÷ 5 = 3)

Non-unit fraction 3/7	1/8	3/4		2/5 of 15 sweets = 6 (15 ÷ 5 = 3 and 3 x 2 = 6)
Add and subtract fractions with the same denominator within 1 whole.	+	=		8/12 + 3/12 = 11/12
Comparing the two fractions and finding the difference/ 4/5 - 3/5 = 1/5	-	=		4/5 - 3/5 = 1/5
Solve problems:	David spent 1 /4 of £10. How much mone	ey did he start off		1/4 = £10 $4 \times £10 = £40$
		Total Money?		
	1/4 1	/4 1/4	1/4	

	£10	£10	£10	£10	
oncrete	Pictorial				Abstract

Year 4 Objectives:

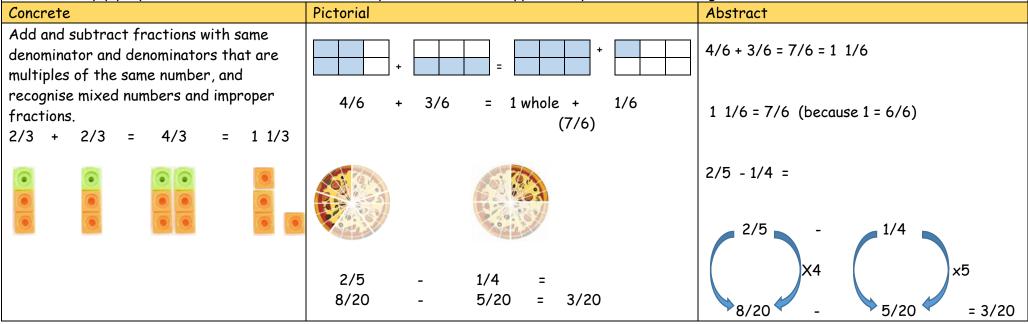
- Add and subtract fractions with the same denominator
- Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number

Concrete	Pictorial	Abstract
Adding and subtracting fractions as above		3/8 + 5/8 = 8/8 (same as 1 whole) 6/7 - 4/7 = 2/7
Solve problems including non-unit fractions	2/3 of £18 =	2/3 of £18 = £18 ÷ 3 = £6 £6 × 2 = £12

Use counters/play money to find 2/3.	

Year 5 Objectives:

- Add and subtract fractions with the same denominator and denominators that are multiples of the same number
- Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2/5 + 4/5 = 6/5 = 1 1/5]
- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams



Multiply proper fractions and mixed numbers by a whole number 6 x 3/4	$6 \times 3/4 = 4 \ 2/4$	6 x 3/4 = 18/4 = 4 2/4 or 4 1/2
 Year 6 Objectives: Add and subtract fractions with diff 	ferent denominators and mixed numbers, using the conce	t of equivalent fractions
	ions, writing the answer in its simplest form [for example	•
Concrete	Pictorial	Abstract
Add and Subtract fractions - as year 5	2 1/6 - 1/3	2 1/6 - 1/3 (find the same denominator)
		 2 1/6 - 1/3 (find the same denominator) 2 1/6 - 2/6 (change 1 whole into a fraction and add to the existnig fraction)
Add and Subtract fractions - as year 5	2 1/6 - 1/3	 2 1/6 - 1/3 (find the same denominator) 2 1/6 - 2/6 (change 1 whole into a fraction and add to the existing
Add and Subtract fractions - as year 5	2 1/6 - 1/3	 2 1/6 - 1/3 (find the same denominator) 2 1/6 - 2/6 (change 1 whole into a fraction and add to the existnig fraction)

1/2 × 3/4 = 3/8		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Divide proper fractions by whole numbers	1/2 ÷ 3 =	1/2 ÷ 3 = 1/6