Fractions						
Foundation Stage Objectives: 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 sizes and shapes in order support their FRACTIONS to	shape. Do the same for a quarter (1/4).	1/2 of 6 = 3				
understanding of	\checkmark	A guarter of 20 =				
fractions.		1/4 of 8 = 2				
1 WHOLE 1 1 1 2 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	Repeat with shapes: Which have been cut exactly into quarters?					

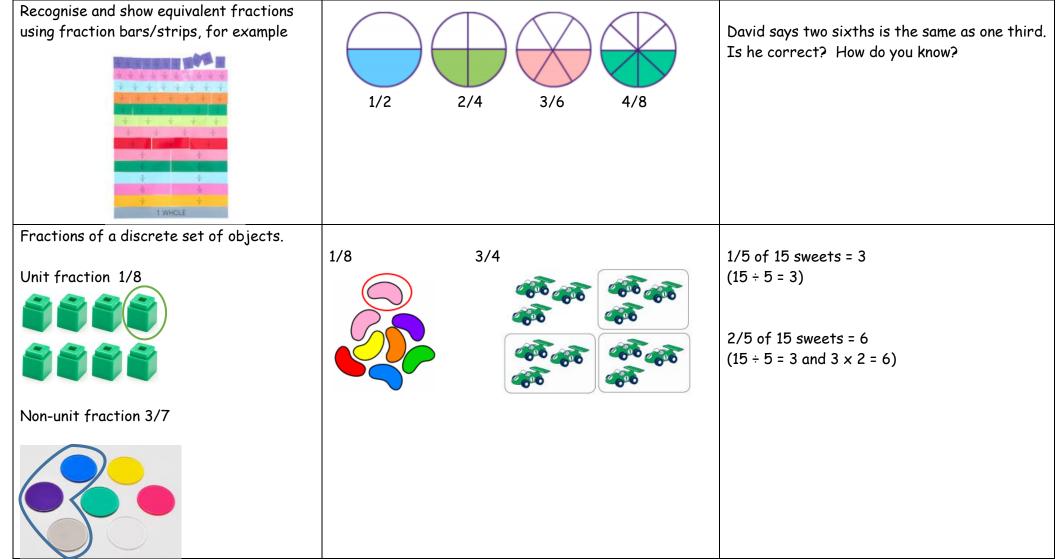
Year 2 Objectives:

- 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

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Concrete	Pictorial City In City	Abstract			
Recognising 1/3. 1/4 2/4 and 3/4	Find different ways of finding fractions of shapes	1/3 of 9 = 3 2/4 of 8 = 4 3/4 of 12 = 9			
	3/4 of a rectangle, for example.				
	2/4 of a quantity. 2/4 of 8 = 4				
Recognise equivalence. 1/2 = 2/4		1/2 of 12 = 6			
		2/4 of 12 = 6			
	2/4 of a pie = 1/2 of a pie				
	1/2 of 12 = 2/4 of 12				

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

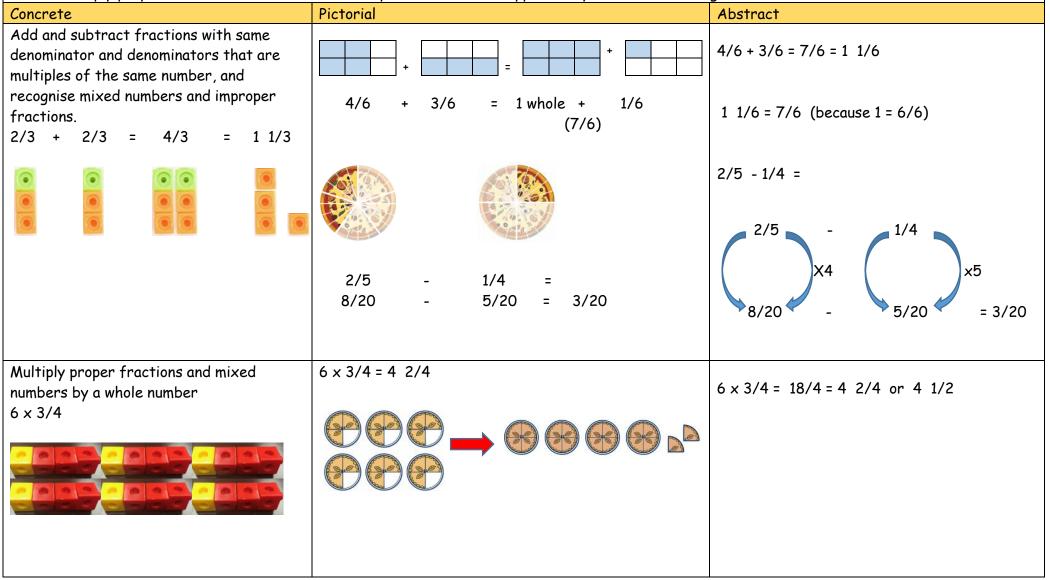


Add and subtract fractions with the same denominator within 1 whole.		+	=		8/12 + 3/12 = 11/12
Comparing the two fractions and finding the difference/ 4/5 - 3/5 = 1/5	-		=		4/5 - 3/5 = 1/5
Solve problems:	David spent 1 /4 of his money on a book. The book cost £10. How much money did he start off with?			1/4 = £10 $4 \times £10 = £40$	
	Total Money?				
	1/4 £10	1/4 £10	1/4 £10	1/4 £10	

Concrete	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 Use counters/play money to find 2/3.	2/3 of £18 =	2/3 of £18 = £18 ÷ 3 = £6 £6 × 2 = £12			

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



Year 6 Objectives:

- Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 1/4 × 1/2 = 1/8]
- Divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$]

