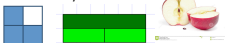
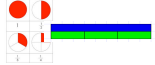


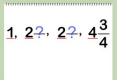

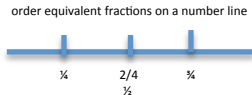


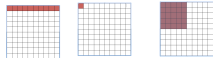

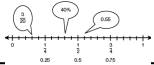

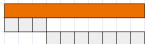


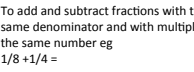
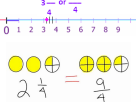
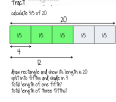
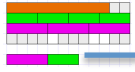





Fraction Ratio %	Y1	Y2	Y3	Y4	Y5	Y6
Vocabulary	½, equal parts, 1/4	¼, 2/4, ½, 1/3 Denominator, numerator	1/10, unit fractions, non- unit fractions, 1/3, 1/6, 1/5	1/7, 1/9 rounding decimals with 1 decimal place to the nearest whole number	rounding decimals with 2 decimal places	rounding decimals with 3 decimal places , and solve problems with a specified degree of accuracy
Counting	Count up to 10 in 1/2	Count up to 10, in ½ and 2/4 up to 10, starting from any number.	Count up and down in 1/10ths	Count up and down in 1/100ths		
Recognising fractions	½ = one of two equal parts of an object, shape or quantity ¼ = one of four equal parts of an object, shape or quantity 	recognise, find, name and write fractions ¼, 2/4, ½, 1/3 as part of a length, shape, object or quantity of objects 	<ul style="list-style-type: none"> recognise find and write fractions of a discrete set of objects recognise that 1/10ths arise from dividing an object into 10 equal parts, and in dividing one digit numbers or quantities by 10. use fractions as numbers 	recognise that 1/100ths arise from dividing an object into 100 equal parts, and in dividing one digit numbers or quantities 100 	recognise and use 1000ths and relate them to 1/10ths and 1/100ths, and decimal equivalents	
Comparing fractions, decimals and percentages			Compare and order unit fractions and fractions with the same denominator 	<ul style="list-style-type: none"> compare numbers with the same number of decimal places up to 2 dp identify the value of each digit in numbers given up to 2dp 	<ul style="list-style-type: none"> compare and order fractions whose denominators are all multiples of the same number read, write, order and compare numbers up to 3dp identify the value of each digit in numbers given up to 3dp 	<ul style="list-style-type: none"> compare and order fractions, including fractions > than 1 
Equivalence		2/4 and ½  order equivalent fractions on a number line 	2/8,=1/4, 4/8 = 2/4=1/2, 6/8 = ¾  To draw diagrams of fraction families, with number rods to support 	Identify, name and write equivalent fractions of a given fraction represent visually, including 1/10 th and 1/100 th recognise % symbol as meaning out of 100, know % equivalence of ¼, ½, ¾ 	Use common factors to simplify fractions, use common multiples to express fractions un the same denomination up to 1/12 	associate a fraction with division and calculate decimal fraction equivalents for a simple fraction – eg 0.375 = 3/8 recall and use equivalences between simple fractions, decimals and percentages including in different contexts. 
Fraction of quantity, addition and subtraction of fractions, ratio		To find fraction of quantity ¼, 2/4, ½, 1/3 using concrete materials and images on a line 	To add and subtract fractions with the same denominator within one whole – eg 3/10 + 7/10 = 1  To recognise improper fractions and convert to mixed numbers 	To find fraction of quantity in 1/2s, 1/3s, 1/4s, 1/5ths, 1/6ths and 1/8ths using double sided counters and to represent by using a bar model. % of 12 = 9  To add and subtract fractions with the same denominator and with multiples of the same number eg 1/8 + 1/4 = 	To convert from mixed numbers to improper fractions and write mathematical statements >1  To use the bar method to solve increasingly demanding problems 	To add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions 1/3 + 1/4 + ? = 1  To calculate ratio problems using the bar method Sam Tom 
multiplication and division of fractions					Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams eg 1 ½ x 3 = 4 ½ 	Multiply simple pairs of proper fractions, writing the answer in the simplest forms (eg ¼ x ½ = 1/8)  Multiply one digit numbers with up to two decimal places by whole numbers Divide proper fractions by whole numbers eg 1/3 ÷ 2 = 1/6
End of year expectations	Counting in halves up to 10	To use denominator and numerator accurately	to understand what denominator and numerator mean and to be able to represent a variety of situations as fractions	To know the fraction, decimal and % equivalents for ¼, ½ and ¾, all 1/10 th	to understand, use the term and find common factors to simplify fractions and to express fractions with different denominators in common multiples	To compare and order fractions, percentages and decimals
	To recognise ½ and ¼ of shapes and objects	To understand the equivalence of ½ and 2/4	To add and subtract fractions with the same denominator To use mixed and improper fractions	To add and subtract fractions with the same denominator and those with multiples of the same denominator	To use the bar method to solve increasingly complex fraction problems	To calculate ratio and fraction problems using the bar method
		To find a fraction of a quantity using concrete materials and visual images	To recognise 1/10 th , and fraction families To order fractions	To find fractions of quantity using double sided counters and the bar method.	multiply proper fractions and mixed numbers by whole numbers	To multiply and divide fractions using visual images