Fractions Policy

Fraction strips: Blank (bar) rectangles (on plain paper) and get used to dividing the bars into halves, thirds, quarters etc:

Shading fractions of shapes:



Fractions of amounts:

Constato	Distorial	Abstract
	Colorida	AUSUIDU
	Calculate a fraction of a quantity by first	
To calculate fractions of amounts, concretely, ,	drawing the fraction in the bar, showing the	
use objects to share and find the fraction	length of the bar to be the quantity and then	
	calculating the length of the shaded part:	
	Calculate 1/ of 10:	
		½ of 10 = 5
	10	
	Calculate 1/5 of 20 = 4	
	?	
		20 ÷ 5 = 4
	20	
	Calculate 3/5 of 20 = 12	
	?	
		20 : 5 - 4
		20 - 5 = 4
		$4 \times 3 = 12$
	20	
	<u> </u>	



Equivalent fractions

Consulta	Distorial	Abatuaat
Concrete	Pictoriai	Abstract
	Which fraction is equivalent to 2/5?	
Fraction strips: Blank (bar) rectangles (on plain paper) and get used to dividing the bars		Link equivalences to times tables knowledge
into halves, thirds, quarters etc to see		
equivalences		
	2/5 = 4/10	
	Which fraction is equivalent to 2/6?	
	2/6 = 1/3	

Simplifying fractions:



Ordering fractions

Concrete	Pictorial	Abstract
	Which is greater 2/3 or ¾?	
Fraction strips: Blank (bar) rectangles (on		Find a common denominator: (see
plain paper) and get used to dividing the bars		equivalent fractions part of this policy)
into halves, thirds, quarters etc to compare		
size of fractions and order them		2/3 = 8/12 ¾ = 9/12

Adding fractions (same denominator)

Concrete	Pictorial	Abstract
Use half, quarter cups/ thirds, fifths, sevenths cards to add concretely	$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$	¼ + 2/4 = ¾
	OR ½	
	=	
	Using this model will prepare pupils for working with fractions where the denominators are different	

Adding fractions (with different denominators)



Use the same process for subtraction with fractions

Multiplying fractions



Dividing with fractions

Dividing a fraction by a whole number

Concrete	Pictorial	Abstract
4/7 ÷ 2 = Use fraction cards and counters	부 · 2 · 구 +	$\frac{4}{7} \div 2 = \frac{2}{7}$ * divide the numerator by the divisor $\frac{5}{7} \div 2 =$ * use x facts to make the numerator divisible by 2. eg 5 x 2 = \frac{5}{7}

Dividing whole numbers by a fraction

Concrete	Pictorial	Abstract
3 ÷ 1/2 =	3 ÷ 1/2 =	
Exchange the 3 whole 'cups' into half cups and divide into piles of ½	(divide each part of the bar, each whole, in half) So, $3 \div 1/2 = 6$	

