

Bishop Lonsdale Church of England Primary and Nursery

Division Maths Parent Guide

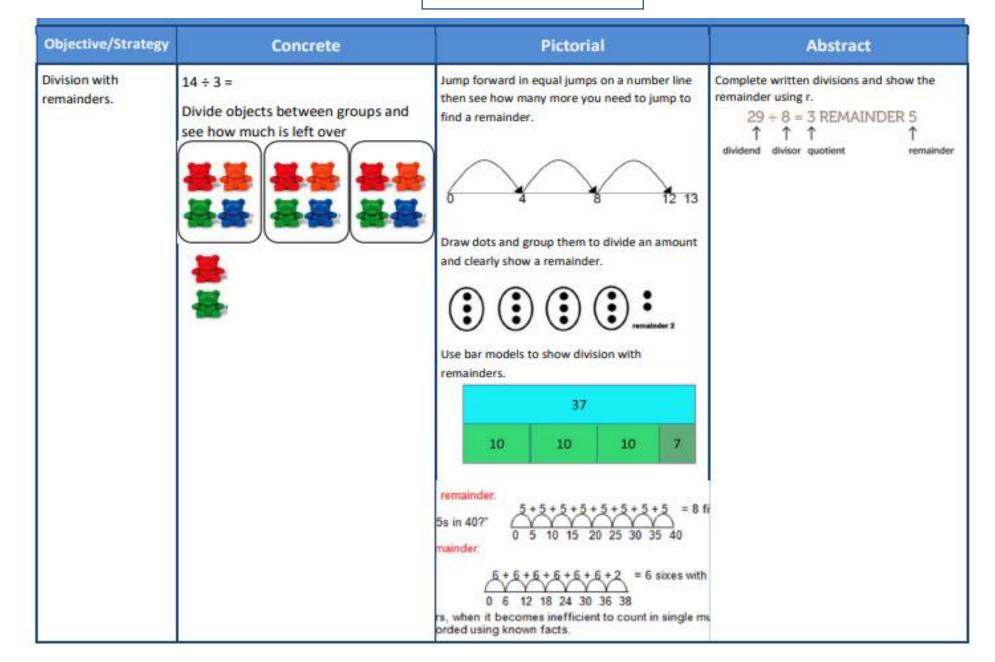
Objective /Strategy	Concrete	Pictorial	Abstract
Objective/ Strategy	Concrete	Pictorial	Abstract
Objective/ Strategy Division as sharing Use Gordon ITPs for modelling		Children use pictures or shapes to share quanti- ties.	12 shared between 3 is 4
11	have 10 cubes, can you share them equally in groups?		

Concrete	Pictorial	Abstract
I have 10 cubes, can you share them equally in 2 groups?	Children use pictures or shapes to share quantities. $3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\$	12÷3=4
Divide quantities into equal groups. Use cubes, counters, objects or place value counters to aid understanding.	Use number lines for grouping $ \frac{20}{123456789101112} $ $ 12 \div 3 = 4 $ Think of the bar as a whole. Split it into the number of groups you are dividing by and work out how many would be within each group. $ 20 \div 5 = 2 $	28 ÷ 7 = 4 Divide 28 into 7 groups. How many are in each group?
	Image: A state of the stat	Image: Constraint of the part of the

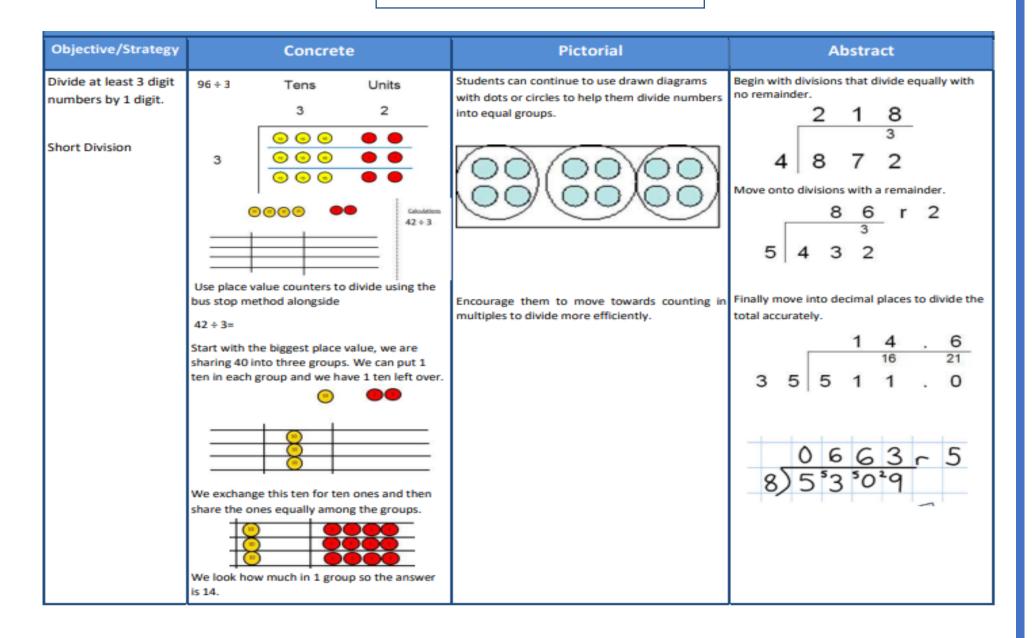
Year 2 - Division

Objective/Strategy	Concrete	Pictorial	Abstract
Division as grouping	Use cubes, counters, objects or place value counters to aid understanding. 24 divided into groups of $6 = 4$ 96 \div 3 = 32	Continue to use bar modelling to aid solving division problems. 20 20 \div 5 = ? 5 x ? = 20	How many groups of 6 in 24? 24 ÷ 6 = 4
Division with arrays	Link division to multiplication by creating an array and thinking about the number sentences that can be created. Eg $15 \div 3 = 5$ $5 \times 3 = 15$ $15 \div 5 = 3$ $3 \times 5 = 15$	Draw an array and use lines to split the array into groups to make multiplication and division sentences	Find the inverse of multiplication and division sentences by creating eight linking number sentences. 7 x 4 = 28 $4 \times 7 = 28$ $28 \div 7 = 4$ $28 \div 4 = 7$ $28 = 7 \times 4$ $28 = 4 \times 7$ $4 = 28 \div 7$ $7 = 28 \div 4$

Year 3 - Division



Year 4 – Year 6 Division



	h t o	
	041R1	
	4) <mark>16</mark> 5	
4 does not go into 1 (hu	undred). So combine the 1 hundred with the 6 tens (160).	
4 goes into 16 four time	IS.	
4 goes into 5 once, leav	ving a remainder of 1.	
	thhto	
	0400R7	
	8) <mark>32</mark> 07	
8 does not go into 3 of	the thousands. So combine the 3 thousands with the 2 hundreds (3,200).	
8 goes into 32 four time	es (3,200 + 8 = 400)	
8 goes into 0 zero time	s (tens). s, and leaves a remainder of 7.	
8 goes into 7 zero time.	s, and leaves a remainder of 7.	