Division

Year	Objective	Concrete	Pictorial	Abstract
1	Sharing	I have 8 cubes. Can you share them equally	Children use pictures or shapes to share	Share 8 buns between two people.
and		between two people?	quantities.	8 ÷ 2 = 4
2				8
1	Grouping	Divide quantities into equal groups.	Use a number line to show jumps in	10 ÷ 5 = 2
and		Use cubes, counters, objects or place	groups. The number of jumps equals the	
2		value counters to aid understanding.	number of groups.	Divide 10 into 5 groups. How many are in each group?
			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.	
			10	
		00000	?	
			10 ÷ 5 = ?	
			5 x ? = 10	



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			Use the bar model to help you solve 942 ÷ 3 942	
5	Short division	Counters can be used alongside the abstract method:	The part whole model can be used alongside short division to explore similarities and differences between the two: 48 40 48 40 48 48 40 48 48 44 44 48 12 10 + 2 = 12, so 48 + 4 = 12	3 6 9 0 3 6 9 0 8 8 9 7 6
			Place value and counters can be used alongside the formal method, without and with exchanges and divisions with remainders:	3 3 9 3 5
			Th H T O Image: Im	

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6 Long division	1414 can be partitioned into 1 ten and 4 ones.104Show partitioning using part whole models to support the working out of multiples: $10 + 4 = 14$ $20 + 8 = 28$

NB Be mindful that concrete and pictorial representation will continue to support conceptual understanding at all stages of learning and are good for retrieval. Some learners in higher year groups will still need to use concrete resources and pictorial representations so adaptive practice will be needed to ensure all children can access the learning in all lessons.