

Key Vocabulary: share, group, divide, divided by, half, goes into, shared between, groups of							
Concrete	Pictorial	Abstract					
 Sharing using a range of objects. 6 ÷ 2 = 	Represent the sharing pictorially through grouping and sharing . 6 ÷ 2 =	$6 \div 2 = 3$ Children should also be encouraged to use their times tables facts.					
Grouping using a range of objects. 6 ÷ 2 =	XXX XXX X X X X X X X X X	60 ÷ 10 = 6 Children should count in groups using their fingers.					
Sharing using base 10. 36 ÷ 3 =	Children to represent the place value counters pictorially.	Children begin to write calculations to show the process. Must be used alongside base 10 to support understanding. $36 \div 3 =$ 36 = 30 + 6 $30 \div 3 = 10$ $6 \div 3 = 2$					



Sharing using Place Value Counters. 42 ÷ 3 =	Children to represent the place value counters pictorially.	Children begin to write calculations to show the process. Must be used alongside place value counters to
	$42 \div 3 =$	support understanding. $42 \div 3$ 42 = 30 + 12 $30 \div 3 = 10$ $12 \div 3 = 4$ 10 + 4 = 14
Short Division using Place Value counters to group.	Represent the place value counters pictorially.	Children to do the calculation using the short division scaffold.
$615 \div 5 =$ $100s 10s 1s$ 000000 000000 $100 + 20 + 3 = 123$	100 + 20 + 3 = 123	123 5 ⁶ 1 [°] 5
 Make 615 with PV counters. How many groups of 5 hundreds can you make w Exchange 1 hundred for 10 tens. How many groups of 5 tens can you make with 11 Exchange 1 ten for 10 ones. How many groups of 5 ones can you make with 15 		

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Long	Divisio	n – mode	l using pl	ace value counters to introduce the long division	
method.			02		
2544	2544 - 12			12 2544	
	÷ 12	-	0		24
••	0000	0000	0000	We can't group 2 thousands into groups of 12 so we will exchange them.	1
		_			021
In	0000	0000	0000	We can group 24 hundreds into groups of 12 which leaves us	12 2544
				with I hundred.	14
	9 9000				2
Th	Н	Т	0		
	0000		0000	After exchanging the hundred we have 14 tens. We can group 12 tens into a group of 12, which leaves 2 tens.	0212
	8888	00			12 2544
Th	_	т	0		14
	0000	0000	8888	After exchanging the 2 tens, we have 24 ones. We can group 24	
		8288		ones into 2 groups of 12, which leaves no remainder.	24
	9000		0000		0