



Calculation Policy Division September 2023



Addition:

EYFS:			
Vocabulary:	Odd Even Halve Share Share equally Equal groups of Divide	Manipulatives & scaffolds:	
Small step:	Concrete:	Pictorial:	Abstract:
Explore sharing	March 2024		
Sharing			
Explore grouping			
Grouping			
Even and odd sharing			
Y1			
Vocabulary:	Odd Even Halve Share Share equally Equal groups of Divide Divided by	Manipulatives & scaffolds:	Cubes Counters



	Left over		
Small step:	Concrete:	Pictorial:	Abstract:
Make equal groups – grouping		There are altogether. There are equal groups of	There are altogether. There are equal groups of
Make equal groups – sharing		Share the apples equally between the 3 boxes.	are shared equally into groups. There are in each group.
Y2			
Vocabulary:	Odd Even Halve Share Share equally Equal groups of Divide Divided by Left over ÷	Manipulatives & scaffolds:	Counters Number line Bar models Part whole models
Small sten:	Concrete:	Pictorial	Abstract
Sman step.	concrete:		



Make equal groups – grouping		 Complete the sentences. 12 is made up of equal groups of 12 ÷ 2 = 	15 ÷ 5 =
Make equal groups – sharing	I have 12 cubes, can you share them equally into 3 groups?	20 20 $20 \div 4 = 5$	÷=
Y3 Vocabulary:	Odd Even Halve Share Share equally Equal groups of Divide Divide Divided by Left over \div Remainders 2-digit number Partitioning Flexible partitioning	Manipulatives & scaffolds:	Counters Lolly sticks Bar models Part whole models Place value counters Place value charts











	Share Share equally Equal groups of Divide Divided by Left over ÷ Remainders 2-digit number Partitioning Flexible partitioning		
Small step:	Concrete:	Pictorial:	Abstract:
Divide a 2- digit number by a 1-digit number (no remainders)	$52 \div 4 = 13$	84 ÷ 4 = 34 ÷ 4 = 21 4 $96 ÷ 4 =$ $96 ÷ 4 =$ $96 ÷ 4 =$ $96 ÷ 4 = 24$ $7 0$ $96 ÷ 4 = 24$ $7 0$ $96 ÷ 4 =$ $96 ÷ 4 = 24$ $7 0$ $96 ÷ 4 =$	78 ÷ 6 =











Short division	$39 \div 3:$ $T = 0$ $1 = 3$ We are dividing by 3. There is 1 group of 3 tens. There are 3 groups of 3 ones. $39 \div 3 = 10 \text{ and } 3$ $= 13$	96÷3=	1 2 1 5 6 10 5 1 1 10 10 1 10 10 10 1 10 10 10 1 10 10 10 1 10 10 10 1 10 10 10
Divide a 4- digit number by a 1-digit number	T O O Image: Constraint of the state of	T H T Q 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 2 2	8 8 9 7 6
Divide with remainders	H T O C O O O C O C	H T O 00 0 000 203 r 3 00 0 00 41815 00 00 000	4 4 8 9 4
Y6			
Vocabulary:	Odd Even Halve Share Share equally Equal groups of Divide Divide by Left over \div	Manipulatives & scaffolds:	Place value counters Place value charts 'Bus stop'



	Remainders 2/3/4-digit number Partitioning Flexible partitioning Short division Factors Long division		
Small step:	Concrete:	Pictorial:	Abstract:
Short division	Th H T O C C C C C C C C C C C C C C C C C C C C C C <thc< th=""> C C</thc<>	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4 5 3 2 2
Division using factors		Esther is working out $840 \div 4$ She knows $840 \div 2 = 420$ 420 How can Esther use this fact to help find $840 \div 4?$	540 ÷ 20
Long division	When children begin to divide larger numbers, written methods become more efficient; concrete and pictorial methods are less effective		7,335 \div 15 = 489 1 2 0



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Long		0.2.4		_	Multiples of 15: 15 × 1 = 15
division		15 3 7 2	r IZ	_	15 × 2 = 30
with		3 0 0		(15 × 20)	15 × 3 = 45
romaindara		7 2		(15 × 4)	$15 \times 4 = 60$
remainders		1 2	-	(13)	
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