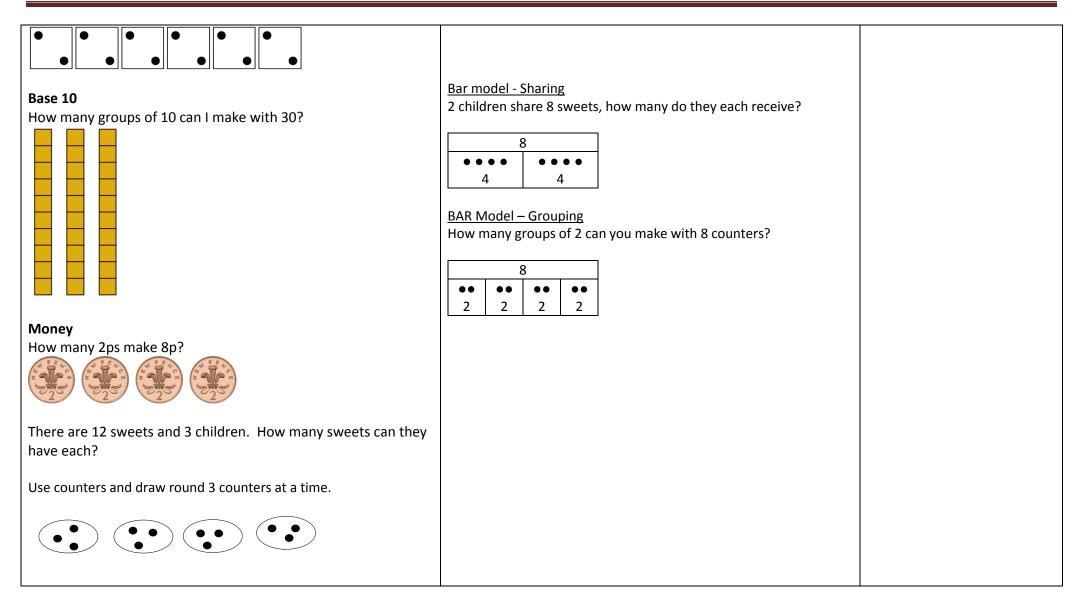
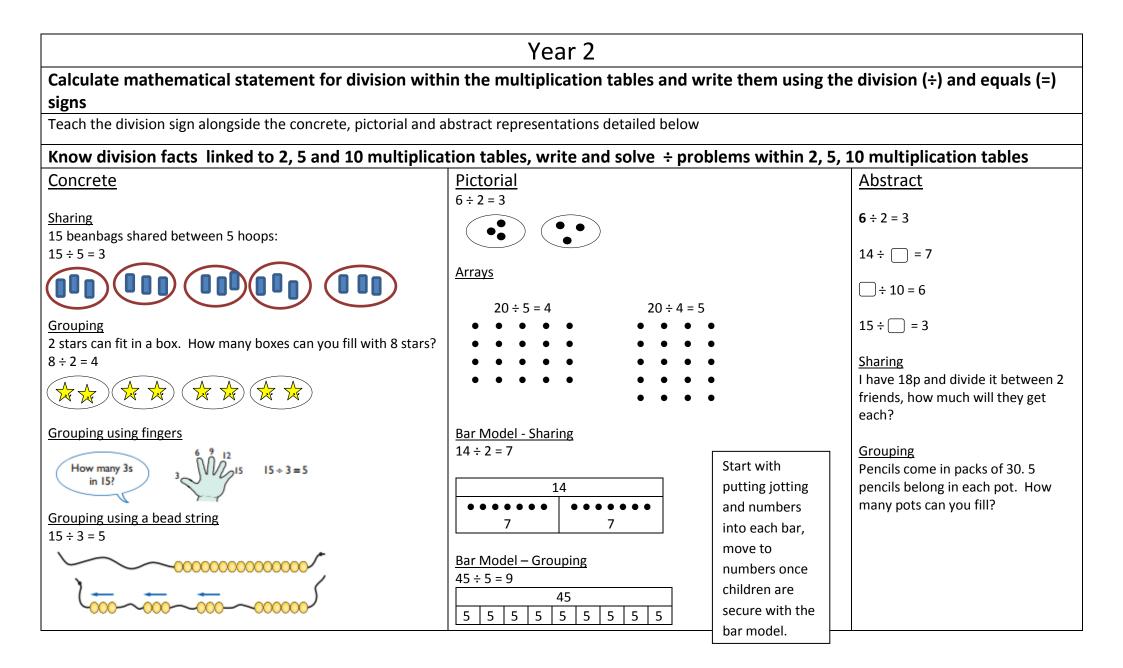
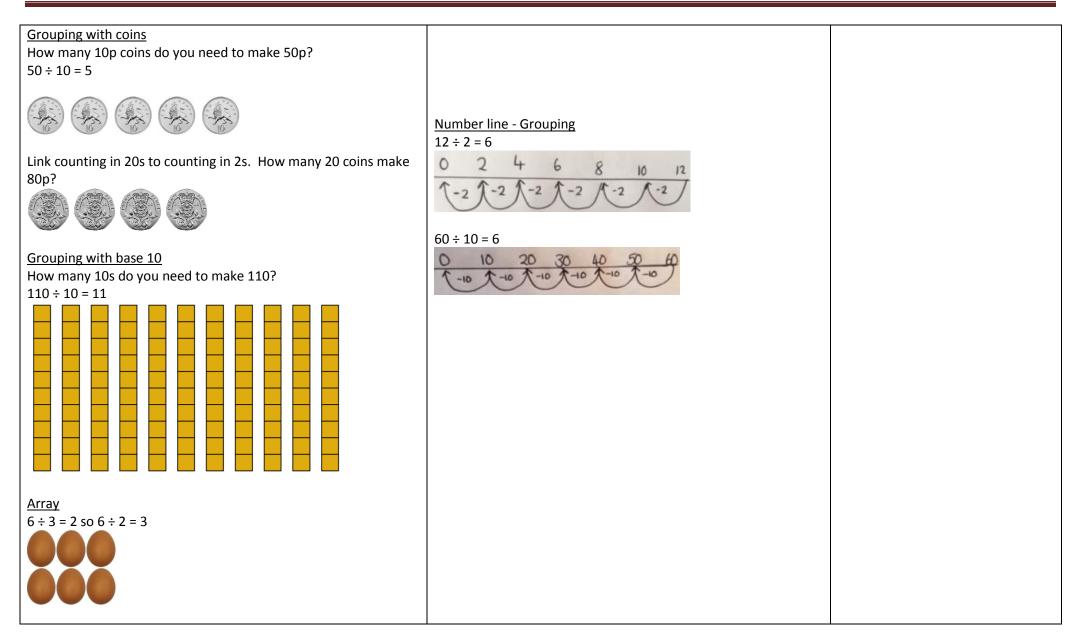
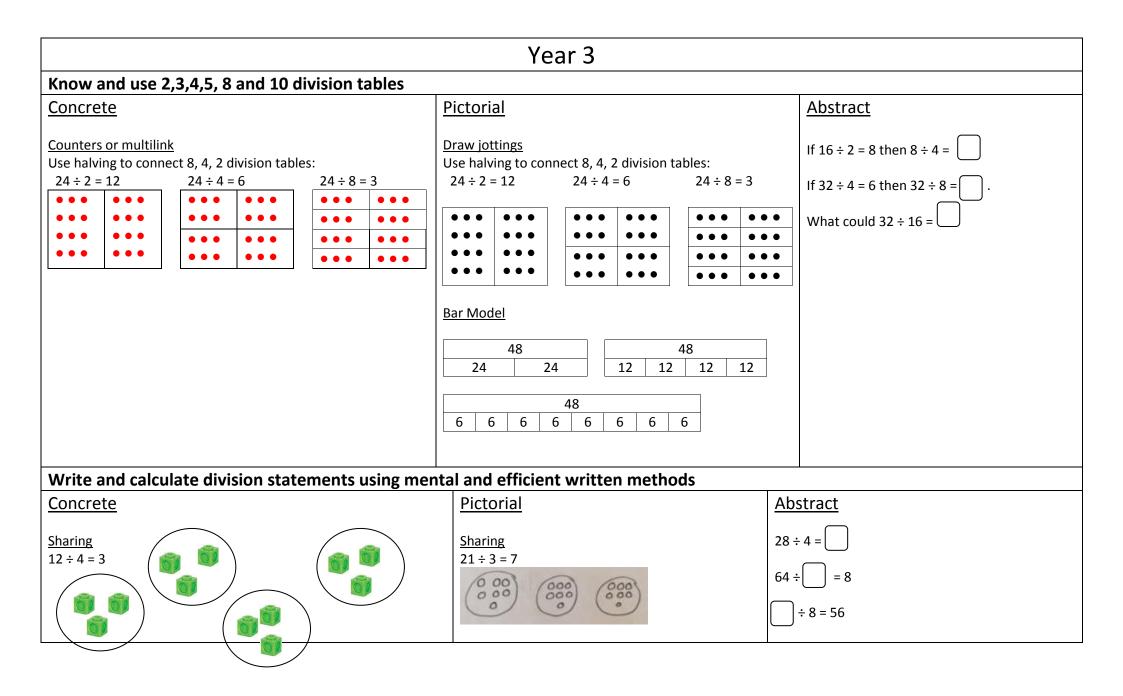
	Year 1	
	s and counting in 2s, 5s and 10s, include solving divisio	n problems with support
(by using concrete objects, pictorial representations	and arrays)	
<u>Concrete</u>	<u>Pictorial</u>	<u>Abstract</u>
<u>Halving</u>	Halving	½ of 6 =
Half of $6 = 3$	Half of 6 is 3	
		How many groups of 2 can you make from 10?
	Sharing	You have 15 counters and put
		them into 3 groups. How many
<u>Sharing</u> Share objects into groups, how many muffins would be on each	Share the sandwiches between the 4 plates, draw sandwiches on the plates.	counters are in each group?
plate?	0000	There are 4 children and 12
		marbles. How many marbles does each child get?
	$\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc$	
10 shared between 5 is 2		
	<u>Groups of</u> 6 divided into groups of 2 is 3	
Grouping		
Numicon		
20 is 4 groups of 5.	Array	
	15 in groups of 5 is 3 groups	
Disc		
Dice 12 is 6 groups of 2		
12 13 0 81 0 4 2 2		

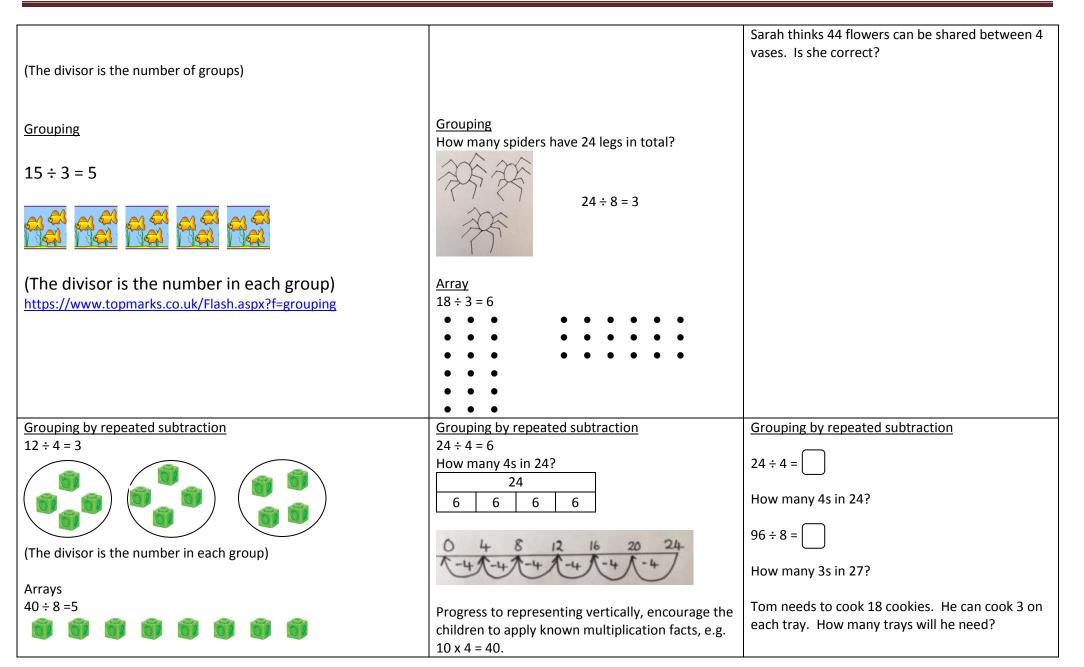


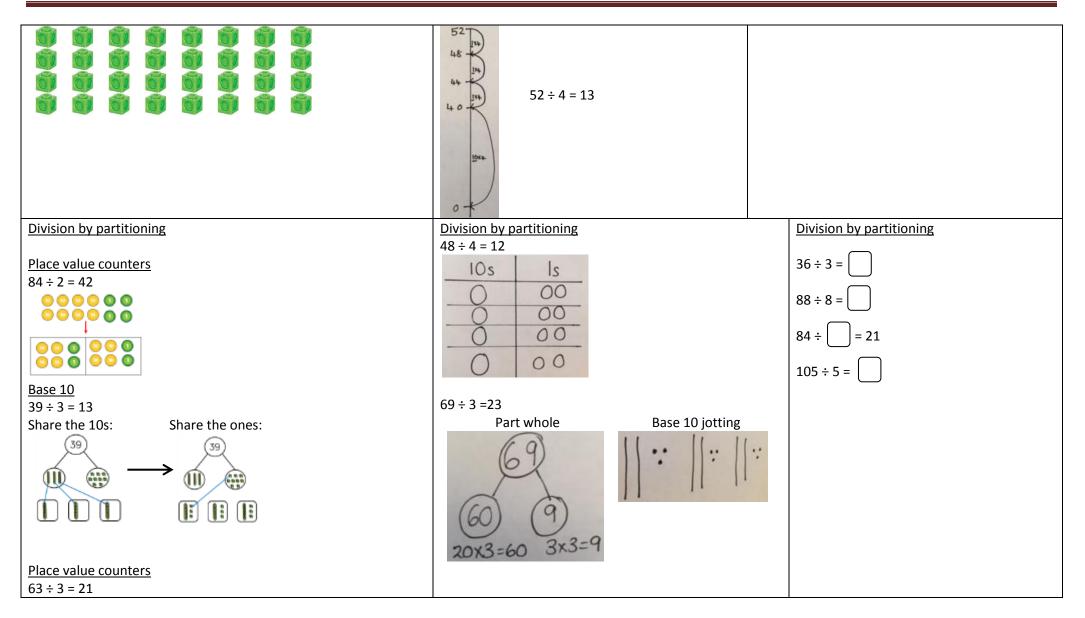




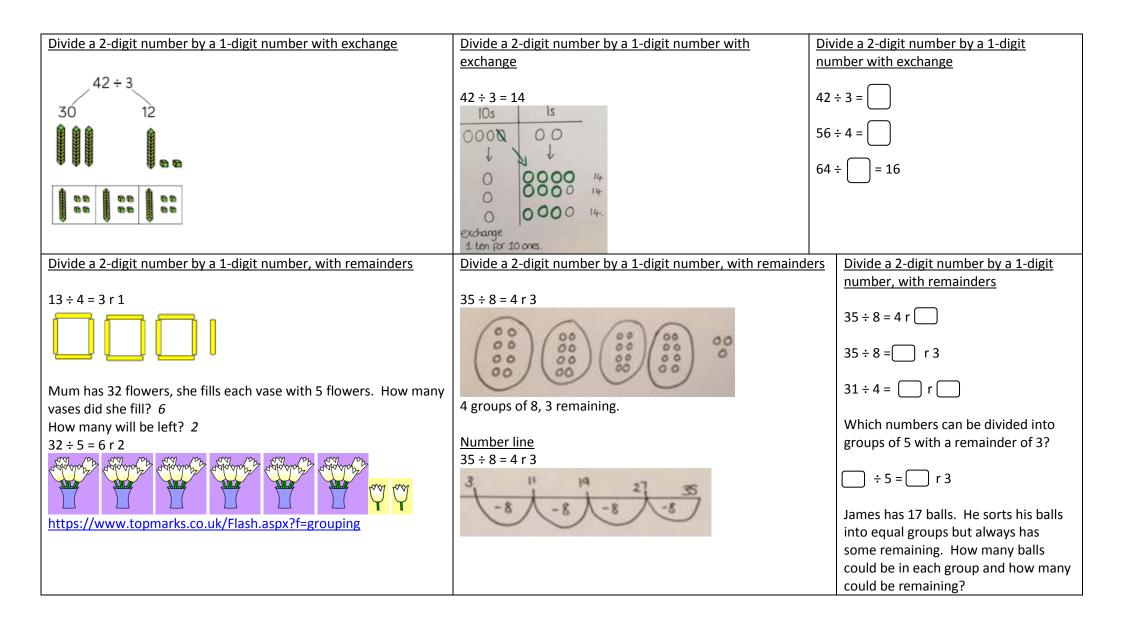
Recognise odd and even numbers										
Concrete	<u>Pictorial</u>	<u>Abstract</u>								
		15 is an odd number, prove it.								
Link odd and even numbers to multiples of 2.	15 is an odd number, prove it.									
Numicon		28 is an odd number, true or false? Why?								
Which are odd? Use numicon to explain why.										
Multilink										
Is 9 an odd or even number? Why?										





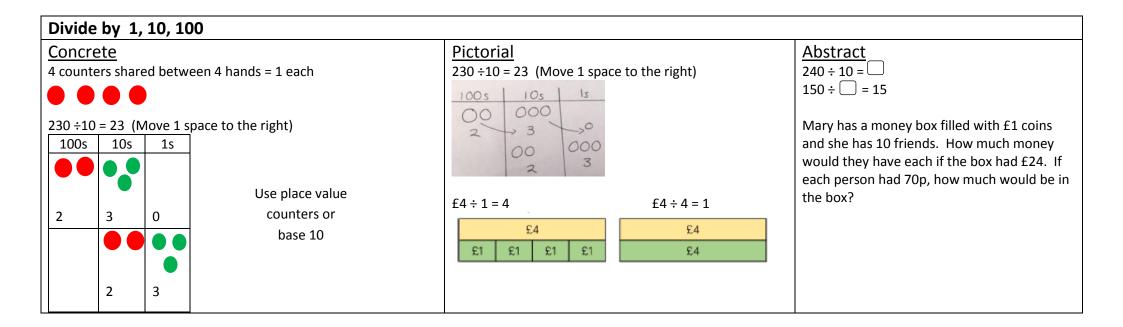


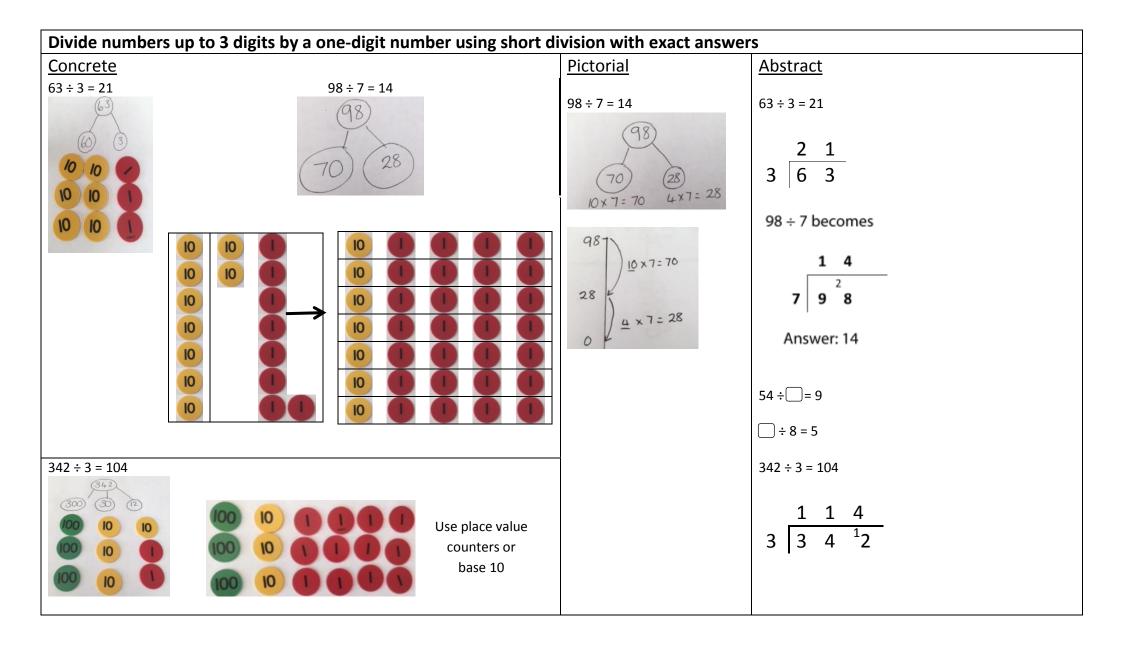
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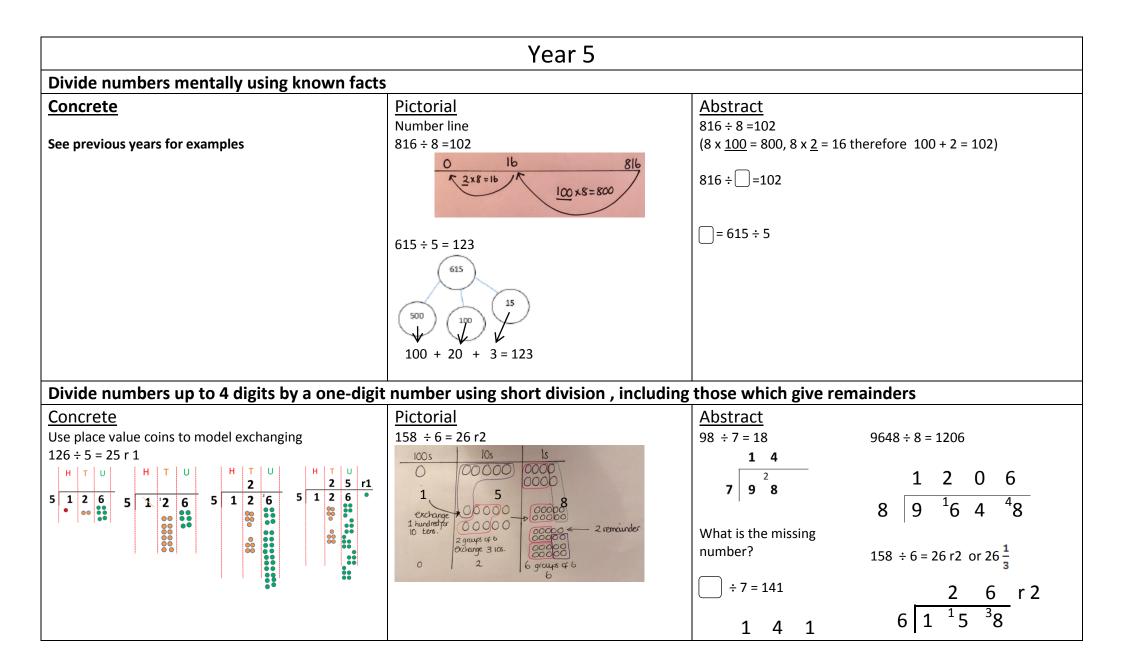


	Year 4																	
Reca	ll div	ision f	acts fo	or mu	Itiplic	ation	table	s up to	12 × 1	2								
						<u>Picto</u> 49 ÷ 7	Pictorial $49 \div 7 = 7$ Abstract $72 \div 9 = \bigcirc$ $56 \div \bigcirc = 7$											
48 ÷ 12 = 4							C	7-11	-7 -1	28 35	42	/			can be derived from $2 \times 3 = 6$ can be derived from $8 \times \square = 24$			
B	8		E		<u> </u>				450 ÷		180	270		450				
		ng to c multilinl		τ, 3, (b, 12	aivisio	on fac	ts	Draw	jotting	75							
		to conne	_	2 divis	ion tab	les:						nect 8, 4	, 2 divi	sion ta	bles:		If 16 ÷ 2 = 8 then 8 ÷ 4 =	
24 ÷	3 = 24		24 ÷	6 = 6		24 -	+ 12 = 3	, ,	24 ÷	3 = 24	ļ.	24 ÷	6 = 6		24 ÷	- 12 = 3		
			••	••	••	• •	••	••				••	••	••	• •	•• ••	If 48 ÷ 6 = 8 then 48 ÷ 12 =	
••	••	••	••	••	••	• •	••	••	••	••	••	••	••	••	• •	•• ••	What could 48 ÷ 24 =	
••	••	••	••	••	••	• •	••	••	••	••	••	••	••	••	• •	•• ••		
••	••	••	••	••	••	• •	••	••		••		••	••	••	• •	•• ••		
L	<u> </u>			1	11				Bar M		$\frac{4 \div 3 = 8}{24}$	3			24 ÷ 6 = 24	= 4		
											- ·		1 1					

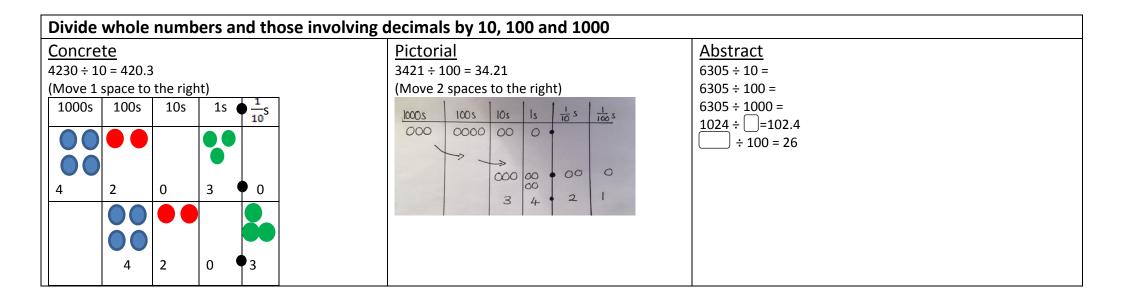
24	
2 2 2 2 2 2 2 2 2 2 2 2 2 2	







158 <u>20</u> × 6 = 120	7 28 7	
$\begin{array}{c} 38 \\ 2 \end{array} \underbrace{b} 6 \times 6 = 36 \\ \end{array}$		



		Ŷ	'ear 6												
Divide using all division facts															
	rs for examples See previous years for examples ing the formal written method of long division, and interpret									_					
remainders as whole number rem Concrete $432 \div 15 = 28 r 12$ 100s 10s 100 10 100 10 100 10 10 10 20 lots of 15 = 300. This leaves 100, auchance for 10 10c 100s 10s 1s 100s 10s 1s 100s 10 1 100s 10 1 100 00 0 0 0 100s 10s 1s 100 10 1 1 100s 10 0 0 0 100s 10 0 0 0 0 10 0 0 0 0 0 0 10s 15 10 0 0 0 0 0 2 lots of 15 = 120. This leaves 10, exchange for 10 1s. 1 1 1 1 1	Pictorial 432 ÷ 15 = 28 r 100s 10s 000 000 00000 00000 0000 0000 00000 0000 0000 0000	12 13 00	$ \begin{array}{r} \underline{Abstract} \\ 432 \div 15 \\ 1 5 4 \\ \underline{3} \\ 1 \\ 1 \\ 1 \end{array} $	2 3 3 2 0 0 3 2 1 2	iate for t 8 r 12 2 0 2 2 28 r 12	1	5	$\frac{2}{4} + \frac{3}{3} + \frac{3}{1} + \frac{3}{2} + \frac{4}{5} + \frac{4}$		15×20 15×8	1	5 4 3 1 1 432	2 3 0 3 2 1 1 2 ÷ 15	$8 \rightarrow 2$ $\downarrow 2$ 0 2 2 $5 = 2$	0 0 0 0
In total there were 20 lots of 15 and 8 lots of 15 with 12 remaining, 28 r 12.															

Divide numbers up to 4 digi	ts by a two-digit number using	short division where appropriate	e, giving remainders as whole numbers,
fractions, decimals or by rou	Inding		
<u>Concrete</u>	<u>Pictorial</u>	<u>Abstract</u>	
Refer back to previous years for concrete examples	Refer back to previous years for pictorial examples	$496 \div 11 = 45 \text{ r1 or } 45 \frac{1}{11}$	1512 ÷ 12 = 126
		4 5 r1 1 1 4 9 6	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$