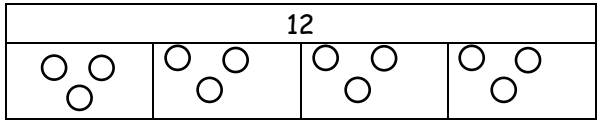
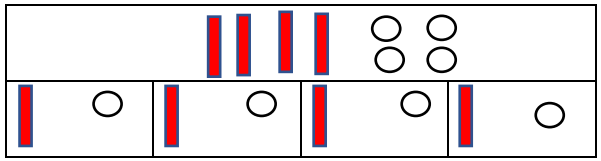
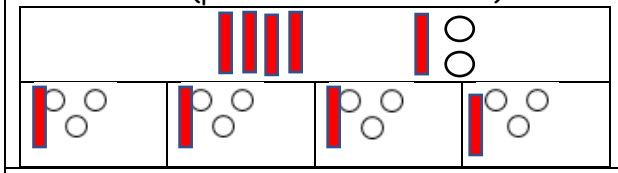
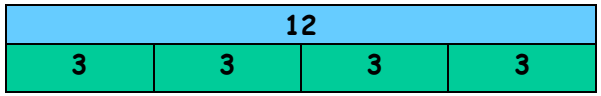
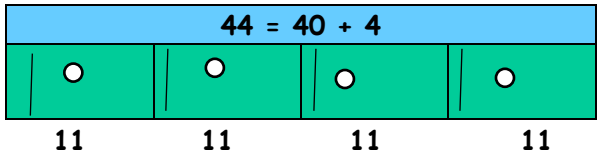
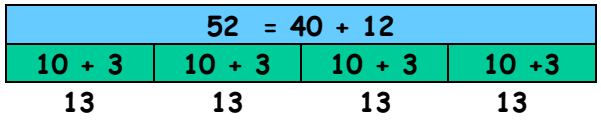
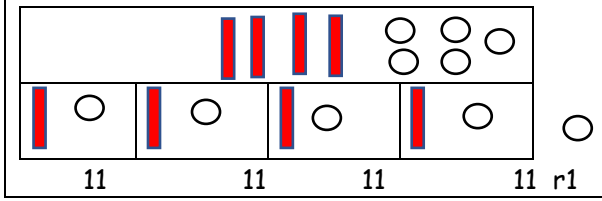
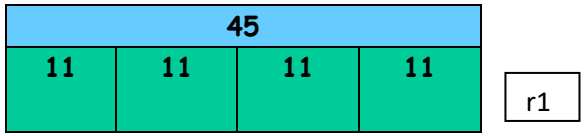
YEAR 3	Division (by 3, 4 and 8)	
Vocabulary: share, share equally, one each, two each…, group, groups of, lots of, array, row, column, equal groups of, group in pairs, 3s … 10s, equal groups of, divide, ÷, divided by, divided into, remainder, left over, inverse, in every,		
Concrete	**Pictorial**	**Abstract**
Sharing (using dienes/place value counters/ numicon and bar model) **12 ÷ 4 = 3**  **44 ÷ 4 = 11**  **52 ÷ 4 = 13** (partition into 40 and 12) 	**Sharing** (using jottings moving onto numbers) **12 ÷ 4**  **44 ÷ 4**  **52 ÷ 4** 	Written No written method. **Sharing method eventually links with fractions.**
Remainders: **Sharing** **45 ÷ 4 = 11r1** 	**Remainders:** **Sharing** **45 ÷ 4 = 11r1** 	

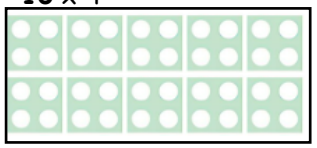
Grouping

30 ÷ 6 = 5

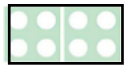
Link with 5 x 6 = 30

48 ÷ 4 = 12

10 x 4



2 x 4

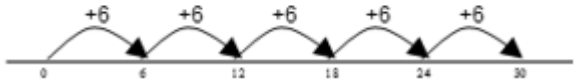


Grouping

30 ÷ 6 = 5

How many 6's are in 30?

30 ÷ 6 can be modelled as:

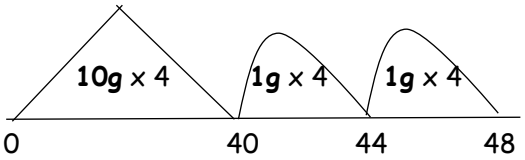


1 group 1 group 1 group 1 group 1 group

1 x 6 1 x 6 1 x 6 1 x 6 1 x 6

30				
6	6	6	6	6

48 ÷ 4 = 12



48		
40	4	4

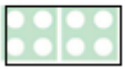
Remainders:

Grouping

49 ÷ 4 = 12r1

10 x 4

2 x 4

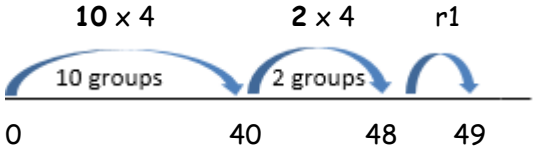


r 1

Remainders:

Grouping

49 ÷ 4 = 12r1

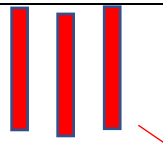


Written

No written method.

÷10 and ÷100

30 ÷ 10 = 3

H	T	O
		
		

(also multiple of 100 ÷ 10 and ÷ 100)

÷10 and ÷100

40 ÷ 10 = 4

H	T	O
	4	**0**
		4

(also multiple of 100 ÷ 10 and ÷ 100)

÷10 and ÷100:

Mentally

50 ÷ 10 = 5

200 ÷ 10 = 20

200 ÷ 100 = 2

Mental

Using known facts and place value:

If 6 ÷ 2 = 3

Then 60 ÷ 2 = 30; 600 ÷ 2 =300

Halving:

44 ÷ 2 = 22

Halve and halve again:

44 ÷ 4 =

44 ÷ 2 = 22

22 ÷ 2 = 11

Using the inverse:

If 4 x 8 = 32

32 ÷ 4 = 8

32 ÷ 8 = 4

Partitioning:

No exchanging

69 ÷ 3 = 23

60 ÷ 3 = **20**

9 ÷ 3 = **3**

20 + 3 = 23

Partitioning in different ways:

42 ÷ 3

Partition into different tens and ones to support division.

30 + 12 (both divisible by 3)