LO: To divide 4-digits by 1digit numbers with remainders.

1. Circle the groups of 3 to help you complete the calculation and the sentences. The first one has been done for you as a model.

a)

Th	H	T	O

		1		
3	3	9	3	8

There is __1__ group of 3 thousands

There are ___ groups of 3 hundreds

There is ___ group of 3 tens

There are ___ groups of 3 ones.

There are ___ ones left over.

3,938 ÷ 3 =

b) Draw your own place value chart to help you calculate 8,407 ÷ 4

2. Use a place value chart to work out the divisions. The first one has been modelled to help you:

a)

3	7	5	9	5

b)

4	8	5	6	7

c)

5	6	5	6	2

d)

3	3	9	3	5

3. Use <, > or = to complete the statements.

7,595 ÷ 3 ◯ 8,567 ÷ 4

6,562 ÷ 5 ◯ 3,935 ÷ 3

7,816		7,861		6,781		1,786

> I know that if I divide these numbers by 5 the remainder will be 1
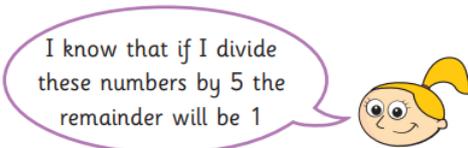
4.
   a) Is Eva correct?
   b) How do you know?

5. There are 459 children in a school. They are sitting at tables in groups of 7. Mo says they must be 65 tables.
   a) Do you agree with Mo?
   b) Explain your answer.

6. Bags of crisps are put into multipacks of 6. The multipacks are then packed into boxes of 8. Yesterday, 6,500 bags of crisps were packed. How many boxes were packed?

**LO: To divide 4-digits by 1digit numbers with remainders. ANSWERS**

1. Circle the groups of 3 to help you complete the calculation and the sentences. The first one has been done for you as a model.

	Th	H	T	O
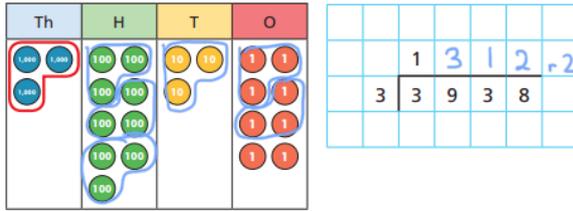
			1	3	1	2	r2
	3	3	9	3	8		

a)

There is __1__ group of 3 thousands

There are __3__ groups of 3 hundreds

There is __1__ group of 3 tens

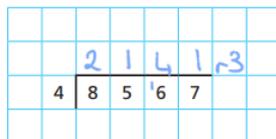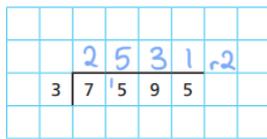There are __2__ groups of 3 ones.

There are __2__ ones left over.

3,938 ÷ 3 = **1,312 remainder 2**

b) Draw your own place value chart to help you calculate 8,407 ÷ 4
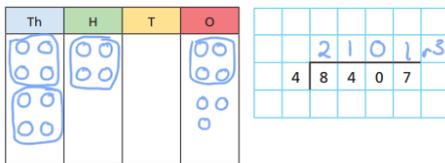
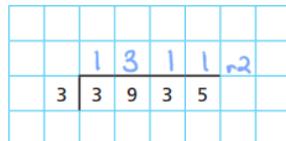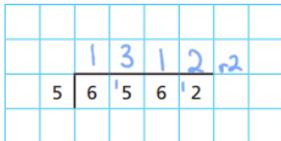|		2	1	0	1	r3
	4	8	4	0	7	

8,407 ÷ 4 = **2,101** remainder **3**

2. Use a place value chart to work out the divisions. The first one has been modelled to help you:

a)
	2	5	3	1	r2
3	7	5	9	5	

b)
	2	1	4	1	r3
4	8	5	6	7	

c)
	1	3	1	2	r2
5	6	5	6	2	

d)
	1	3	1	1	r2
3	3	9	3	5	

3. Use <, > or = to complete the statements.

7,595 ÷ 3 (**>**) 8,567 ÷ 4

6,562 ÷ 5 (**>**) 3,935 ÷ 3

7,816	7,861	6,781	1,786

> I know that if I divide these numbers by 5 the remainder will be 1

4.
   a) Is Eva correct? **Yes**
   b) How do you know? **Multiples of 5 have 0 or 5 ones. Each number has 1 one more than 0 or 5 ones, therefore, the remainder will be 1 when dividing by 5.**
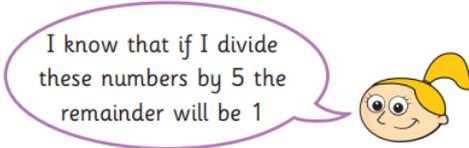
5. There are 459 children in a school. They are sitting at tables in groups of 7. Mo says they must be 65 tables.
   a) Do you agree with Mo? **No**
   b) Explain your answer. **459 ÷ 7 = 65 r4. There will be 65 tables with 7 children and 1 table with 4 children sat down. 65 + 1 = 66 tables.**

6. Bags of crisps are put into multipacks of 6. The multipacks are then packed into boxes of 8. Yesterday, 6,500 bags of crisps were packed. How many boxes were packed?

6,500 ÷ 6 = 1,083 r2

1,083 ÷ 8 = 135 r3

135 full boxes were packed and 3 multipacks and 2 bags were left over