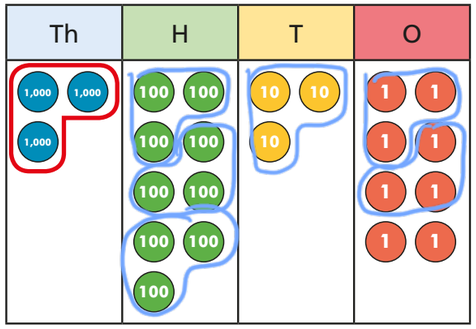
Divide with remainders

1 **a)** Circle the groups of 3 to help complete the sentences and calculation.

The first step has been done for you.



		1	3	1	2	r2
	3	3	9	3	8	

There is [1] group of 3 thousands.

There are [3] groups of 3 hundreds.

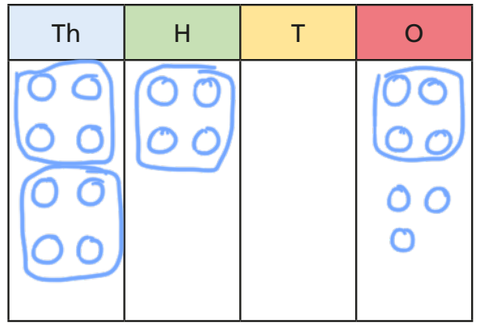
There is [1] group of 3 tens.

There are [2] groups of 3 ones.

There are [2] ones left over.

3,938 ÷ 3 = [1,312] remainder [2]

b) Use place value counters to work out 8,407 ÷ 4



		2	1	0	1	r3
	4	8	4	0	7	

8,407 ÷ 4 = [2,101] remainder [3]

2 **a)** Complete the divisions.

Use place value counters to help you.

		2	5	3	1	r2	
	3	7	1 5	9	5		

		2	1	4	1	r3	
	4	8	5	1 6	7		

		1	3	1	2	r2	
	5	6	1 5	6	1 2		

		1	3	1	1	r2	
	3	3	9	3	5		

b) Write <, > or = to complete the statements.

7,595 ÷ 3 [>] 8,567 ÷ 4

6,562 ÷ 5 [>] 3,935 ÷ 3

3 Write the calculations in the correct column of the table.

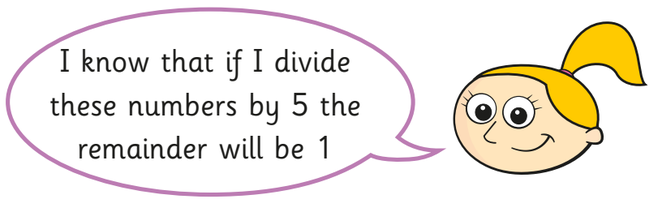
5,066 ÷ 4	9,513 ÷ 4	1,234 ÷ 4
6,562 ÷ 4	6,563 ÷ 4	9,515 ÷ 4

Remainder of 1	Remainder of 2	Remainder of 3	Remainder of 4
9,513 ÷ 4	5,066 ÷ 4 6,562 ÷ 4 1,234 ÷ 4	6,563 ÷ 4 9,515 ÷ 4	

Are any columns empty? Talk to a partner about why this has happened.

4

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



Is Eva correct? Yes

How do you know?

5 There are 459 children in a school.

They are sitting at tables in groups of 7

Do you agree with Mo? NO

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 of crisps were packed?

135

7

2	3	4	5				÷	

a) How many ways can you complete the calculation using all the digit cards so that there is a remainder of 1?

Eg. 325 ÷ 4 = 81 r 1

b) What do you notice?

8 Dora is thinking of a number between 500 and 600

When she divides it by a 1-digit number it has a remainder of 4

What could Dora's number be?