Numbers to 1,000,000

1 What numbers are represented in the place value charts?

a)

HTh	TTh	Th	H	T	O
●● ●● ●● ●●	●●	●●	●● ●● ●● ●● ●	●● ●● ●●	●

b)

HTh	TTh	Th	H	T	O
	●● ●● ●	●			●● ●● ●● ●● ●

c)

HTh	TTh	Th	H	T	O
●● ●		●● ●	●● ●●		●● ●● ●●

d)

HTh	TTh	Th	H	T	O
●● ●●	●	●● ●● ●● ●		●● ●● ●	

2 What numbers are represented in the place value charts?

a)

Thousands			Ones		
H	T	O	H	T	O
●● ●	●●	●● ●● ●	●● ●● ●● ●●	●	●● ●● ●●

b)

Thousands			Ones		
H	T	O	H	T	O
	●● ●●	●● ●		●	●● ●● ●● ●● ●

c)

Thousands			Ones		
H	T	O	H	T	O
●●		●● ●● ●● ●	●● ●●	●● ●● ●	

d)

Thousands			Ones		
H	T	O	H	T	O
●● ●					●

3 What is the same and what is different about the place value charts in questions 1 and 2?

4 Make the numbers in a place value chart.

a) 104,379 **b)** 804,363 **c)** 92,715 **d)** 690,018

What is the same about all the numbers you have made?

5 **a)** Circle all the numbers that have 2 in the hundreds column.

295 **2,095** **19,216** **200,000**

b) Write three more numbers that have 2 in the hundreds column.
Each number should have a different number of digits.

6 Write the value of the 3 in each number.

a) 387 ☐

b) 5,306 ☐

c) 7,903 ☐

d) 307,612 ☐

e) 531,476 ☐

f) 603,956 ☐

7 Dora is thinking of a 6-digit number.

- It is an odd number.
- The smallest digit has the greatest value.
- The greatest digit has the smallest value.
- The first and last digits add up to 10
- The first three digits also add up to 10
- The last three digits add up to 20
- The two middle digits are the same.

What could Dora's number be?

Use this space for your workings.

Dora's number could be ☐

Write another 6-digit number and clues to go with it.
Share the clues with a partner to see if they can find your number.