Numbers to 1,000,000

1 What numbers are represented in each place value chart?

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 each number in a place value chart.

a) 205,625   **b)** 305,291   **c)** 94,115   **d)** 250,904

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

_____

5 **a)** Circle any numbers that have 3 in the thousands column.

     345   3,612   24,315   300,000   32,382

b) Write three more numbers that have 3 in the thousands column.
Each number should have a different number of digits.

_____

_____

6 Write the value of the 6 in each number.

a) 654 _____   **d)** 605,213 _____

b) 7,609 _____   **e)** 245,906 _____

c) 6,812 _____   **f)** 806,284 _____

7 Complete the number sentences.

a) 630,520 = 600,000 + [   ] + 500 + [   ]

b) 700,987 = [   ] + [   ] + [   ] + [   ]

c) 500,000 + 4,000 + 700 + 3 = [   ]

8 Tiny is thinking of a 6-digit number.

- It is an even number.
- The smallest digit has the smallest value.
- The greatest digit has the greatest value.
- The total of the first and last digits is 10
- The total of the hundreds, tens and ones digits is 10
- The two middle digits are the same.
- The digit sum is 25
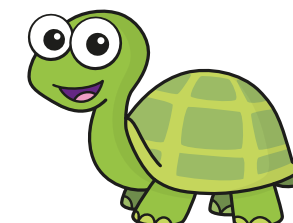
What could Tiny's number be?

Use this space for your working out.

Tiny'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.