Counting in 10s, 100s, 1,000s, 10,000s and 100,000s

1 Complete the sequences and describe what is happening.

a) 7, 17, [ ], 37, 47, [ ], 67

_____

_____

b) 109, [ ], [ ], 139, 149, [ ], 169

_____

_____

c)

475		675		875		

_____

_____

d)

6,300		8,300	9,300			

_____

_____

e)

6,300		6,280	6,270			

_____

_____

2 **a)** Count up in 10s starting from 4

4, [ ], [ ], [ ], [ ], [ ]

b) Count up in 100s starting from 4

4, [ ], [ ], [ ], [ ], [ ]

c) Count up in 1,000s starting from 4

4, [ ], [ ], [ ], [ ], [ ]

d) What is the same and what is different about all of your answers?

3 Here is part of a sequence.

. . . 7,450   7,550   7,650   7,750   7,850   7,950 . . .

Circle all the numbers below that will appear in the sequence.

7,505   9,150   6,050   7,591   16,500   155,250

Explain your answer.

_____

_____

Write three other numbers that will also appear in the sequence.

_____

_____

4 A number is represented on a Gattegno chart.

1	2	3	4	5	6	7	8	9
10	20	30	40	50	60	70	80	90
100	200	300	400	500	600	700	800	900
1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000
10,000	20,000	30,000	40,000	50.000	60,000	70,000	80,000	90,000
100,000	200,000	300,000	400,000	500,000	600,000	700,000	800,000	900,000

a) What number is represented? [ ]

b) If you add 100, which counter moves and in which direction?

_____

c) If you subtract 10,000, which counter moves and in which direction?

_____

d) What happens when a counter reaches the end of its row?

_____

_____

5 Complete the table.

Number	10 more	100 more	1,000 more	10,000 more	100,000 more
25					
250					
2,500					
25,000					
250,000					

Look at your table. What patterns can you see? Talk about it with a partner.

6 A number is represented on a place value chart.

HTh	TTh	Th	H	T	O

Brett adds 2 counters to the place value chart.

What numbers could Brett have made?

_____

_____

_____

Why can't Brett add both of his counters to the hundreds column? Talk about it with a partner.