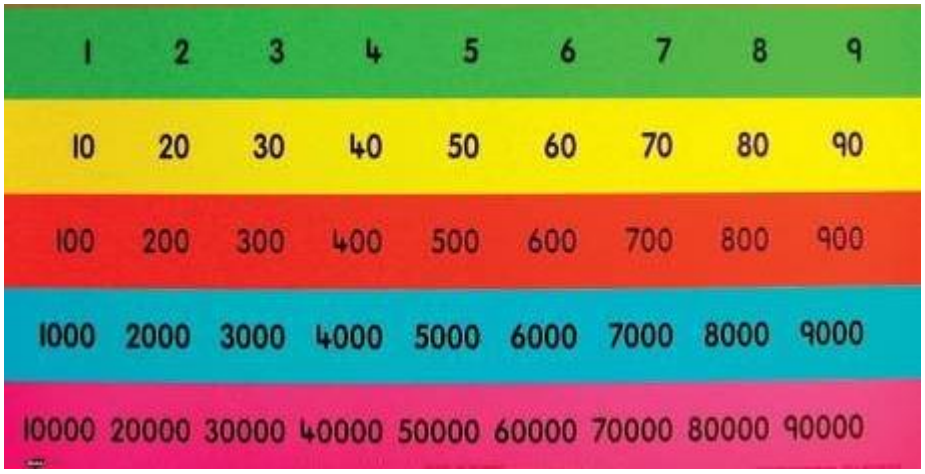
Counting in powers of 10

https://www.youtube.com/watch?v=EdLdszAduwE

1.



Make yourself a set of cards like this

+10	+100	+1000
-10	-100	- 1,000

Pick one number from each row of the place value chart above

e.g.2000, 300, 30 + 5 = 2,335

Then pick a card +/-

Write the next 3 numbers in the sequence

e.g If I picked +100, my numbers would be

2,**3**35, 2,**4**35, 2,**5**35, 2,**6**25

Complete 4 sequences

2. Starting at 14,476, count forwards in a power of 10 through the maze to reach 26,476

14,476	15,476	16,476	15,476	14,476
15,476	14,476	17,476	18,476	13,476
16,476	19,476	18,476	19,476	26,476
26,476	20,476	21,476	13,476	25,476
27,476	17,476	22,476	23,476	24,476
28,476	18,476	19,476	20,476	30,476

What did you count in?

3. Put the purple numbers in ascending order and the blue numbers in descending order, then identify the power of 10 they have increased / decreased by.

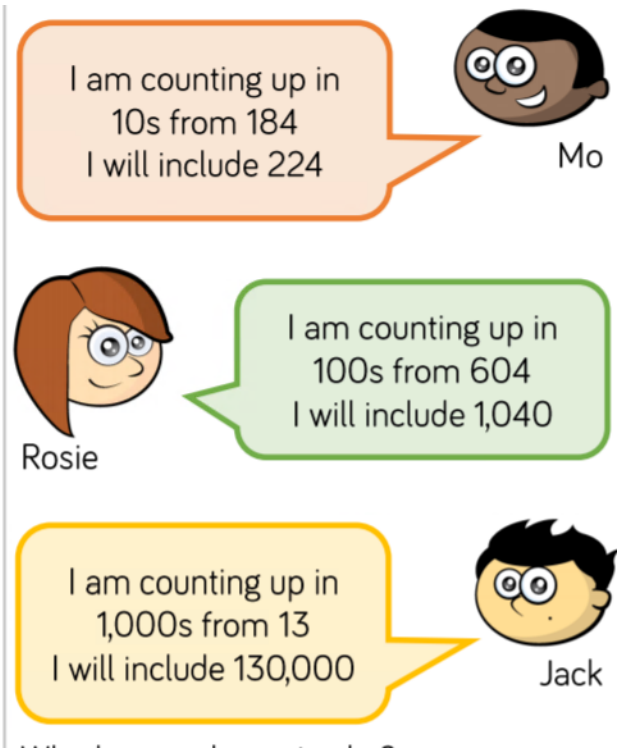
a)

877,543	879,543
878,543	876,543

b)

996,051	995,951
996,151	995,851

4. Identify anyone that has made a mistake.



ANSWERS

1. Various answers

2.

14,476	15,476	16,476	15,476	14,476
15,476	14,476	17,476	18,476	13,476
16,476	19,476	18,476	19,476	26,476
26,476	20,476	21,476	13,476	25,476
27,476	17,476	22,476	23,476	24,476
28,476	18,476	19,476	20,476	30,476

3. a) 876,543; 877,543; 878,543; 879,543 They have increased by 1,000.
b) 996,151; 996,051; 995,951; 995,851 They have decreased by 100.

4.