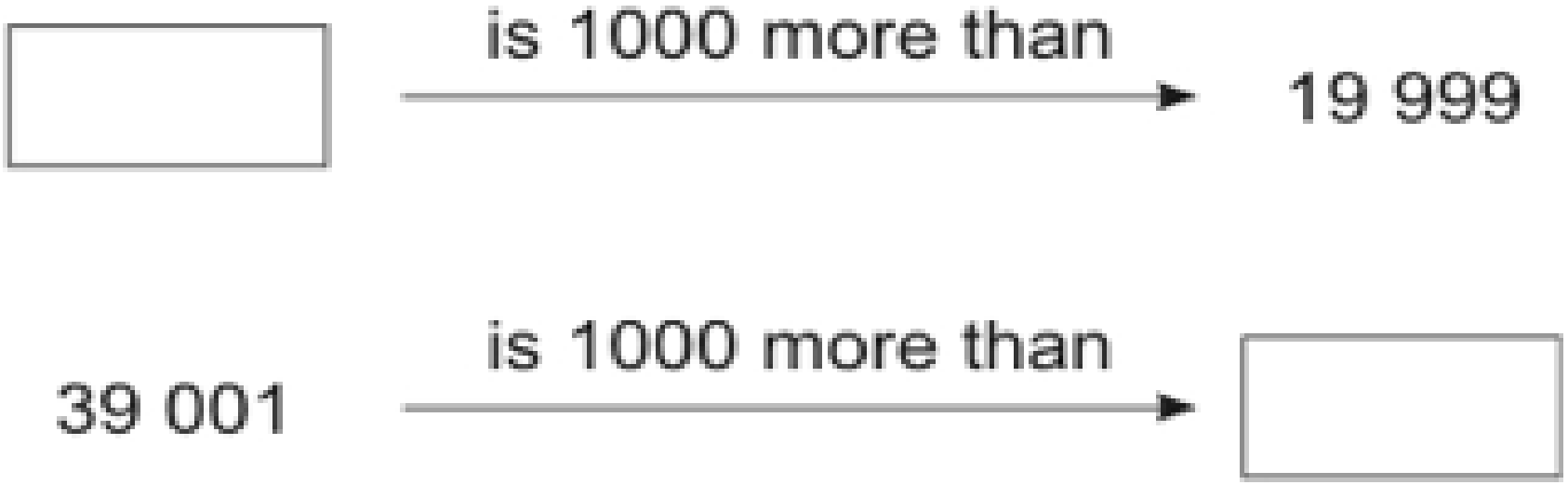
Tuesday 9.6.20

Count forwards and backwards in steps of powers of 10 to 1,000,000

Starter:

Think about which numbers fit the blank boxes



Let's count **forwards** in steps of **10,000**

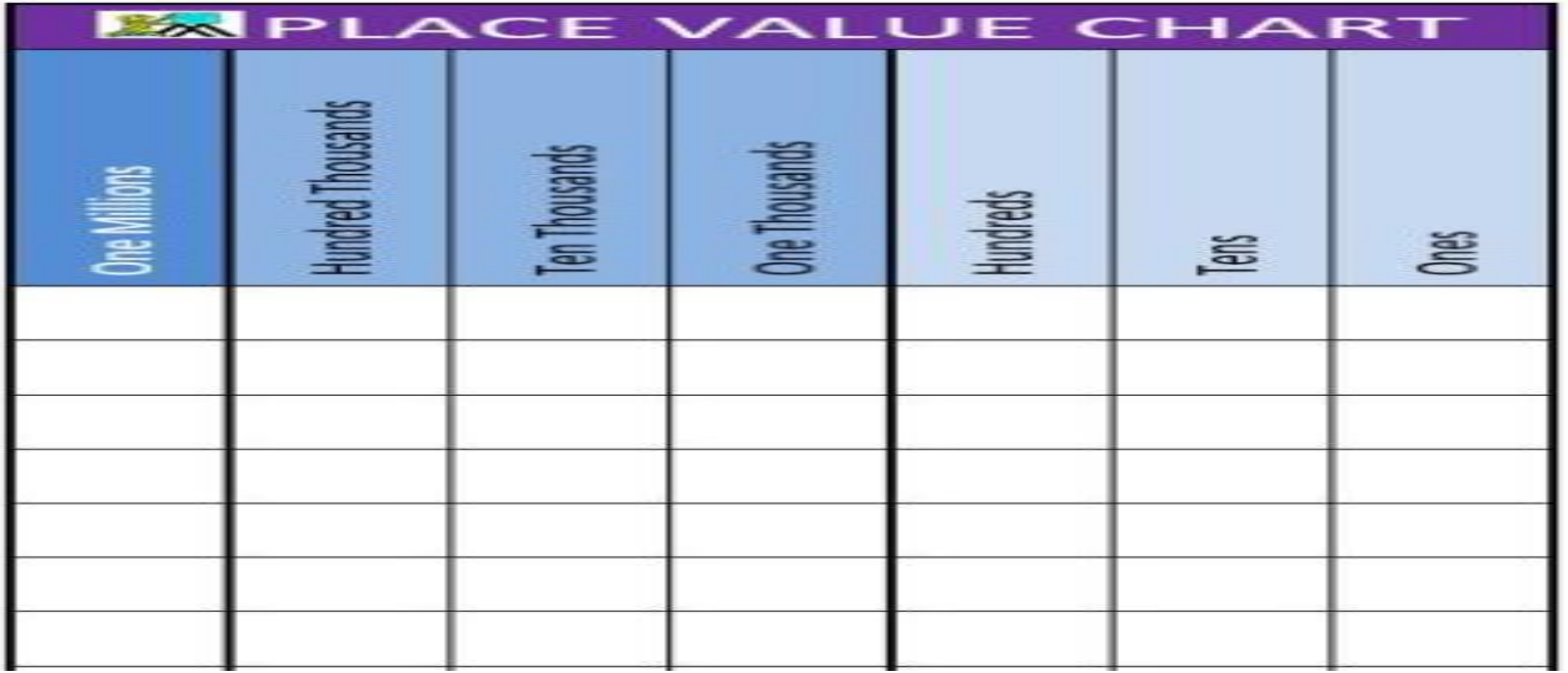
Look at the number: 12,435

Question: What would be the next 3 numbers? …… …… ……

Which digit is changing each time? =

Answers: 22, 435, 32,435, 42,435

If you need to, please refer to this Place Value chart or draw your own.



Now try these
Task A:

Counting in 10 000s

Keziah counts forwards in ten thousands. Write the next three numbers from these:

45 901

193 619

10 720

287 718

519 374

Which sequence would become negative after counting backwards three times in 10 000s?

Have a go at counting in steps of 100,000
Task B:

Counting in 100 000s

Ruben counts forwards in hundred thousands. How many times will he count from these numbers to pass one million?

249 001

482 904

717 566

572 599

833 224

Try some numbers of your own. Is there a pattern?

Task C:

Rosie counts forwards and backwards in 10s from 317

Circle the numbers Rosie will count.

427	997	−7
1,666	3,210	5,627
−23	7	−3

Explain why Rosie will not say the other numbers.

Answers for Task A- C

Answer for Task A

Number	1st	2nd	3rd
45 901	55 901	65 901	75 901
193 619	203 619	213 619	223 619
10 720	20 720	30 720	40 720
287 718	297 718	307 718	317 718
519 374	529 374	539 374	549 374

Answer for Task B

Number	Counts
249 001	8
482 904	6
717 566	3
572 599	5
833 224	2

Answers for task C

427
997
5,627
7
−3
−23

Any positive number will have to end in a 7

Any negative number will have to end in a 3

Now try this abacus game

http://www.ictgames.com/mobilePage/abacus/index.html