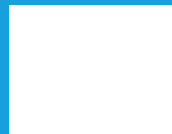


Maths Mastery

Counting in Powers of 10



Counting in 10s

Nura counts forwards and backwards in 10s from 29. Which numbers could Nura count as she does this?

3579

8923

-29

-201

10 899

307 819

270 009

999 999

58 991

-999

3972

-29 831

Write three more numbers she would count.

Any positive number ending in 9 or
negative number ending in 1.

Hide
Answers

Counting in 100s

Count forwards in hundreds from these numbers.

What are the second and fifth numbers that you arrive at?

Number	Second	Fifth	Second (Backwards)	Fifth (Backwards)
289	489	789	89	-211
891	1091	1391	691	391
19 034	19 234	19 534	18 834	18 534
99 607	99 807	100 107	99 407	99 107
610 729	610 929	611 229	610 529	610 229

Try this with some numbers of your own, maybe starting with a negative number.

Hide
Answers

Counting in 1000s

Any number ending 819.

Counting in thousands from 34 819:

- The hundreds, tens and ones will stay as 819.
- The whole number of thousands can be any number (e.g. there are 34 thousands in 34 819) so the thousands, ten thousands, hundred thousands etc. can be any number.

Counting backwards the hundreds, tens and ones will change to 181 when negative.



Hide
Answers

Counting in 10 000s

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

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

Give a partner some numbers to count forwards and backwards from in 10 000s.

10 720 will become negative on the second count backwards.

Hide
Answers

Counting in 100 000s

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

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

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

Hide
Answers

