



Key Instant Recall Facts

Year 5 – Autumn 1

I can count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.

Count forwards and backwards, from any given number, in steps of:

10, 100, 1,000, 10,000 and 100,000.

E.g. Count forward in steps of **10,000** from **21,300**.

21,300, 31,300, 41,300, 51,300, etc.

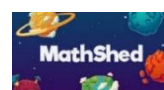
One	1
Ten	10
Hundred	100
Thousand	1,000
Ten Thousand	10,000
Hundred Thousand	100,000
Million	1,000,000
Ten Million	10,000,000
Hundred Million	100,000,000

Key Vocabulary:

multiples
powers of 10
ten,
hundred,
thousand,
ten thousand,
hundred thousand,
million

Practise online:

- Log in to Math Shed and complete the assignment set.



Practical activity ideas:

- Play a paired game - Make digit cards 0-9. Take it in turns to roll a die to decide how many digits the start number will have, e.g. if you roll a 5, then select 5 digit cards to make a 5-digit number. Choose the Power of 10 for your partner to count in and whether they will count backwards or forwards.
- Visit the website below for another game idea:
<https://www.playfullearninggames.co.uk/blog/rescue-goofy-counting-forwards-and-backwards-in-powers-of-10-yr5/>
- Complete the task on the next page.

Make sure you also log in to TTRS and practise your times tables.



NC objective: Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000

Continue the sequence and add the rule.

Sequence	Rule
34, 44, 54, 64, 74, 84, _____, _____, _____, _____	
429,200 , 429,300 , 429,400 , 429,500 , _____, _____, _____, _____	
18,500 , 17,500 , 16,500 , 15,500 , _____, _____, _____, _____	
980,000, 880,000, 780,000, 680,000, _____, _____, _____, _____	
121,000, 131,000, 141,000, 151,000, _____, _____, _____, _____	
293, 283, 273, _____, _____, _____, _____	

Look at the rule and continue the sequence.

Sequence	Rule
5,294, _____, _____, _____, _____	+ 100
8,825, _____, _____, _____, _____	- 1,000
291,328, _____, _____, _____, _____	+100,000
980, _____, _____, _____, _____	- 10
80,111, _____, _____, _____, _____	- 10,000
1,942, _____, _____, _____, _____	+ 1,000