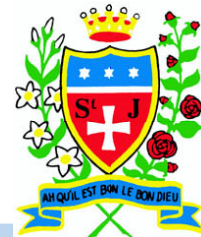


KIRF- I can count on and back in powers of 10 (10,100,1,000,10,000, 100,000)



Year 5 - Spring 1

What can this look like?

Pictorial: Moving counters to help

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

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, _____, _____

Abstract:

1000 more than 639,000 is 640,000

Place value and you number bond knowledge is key for this.

Practise these as well to help you become more fluent.

Questions to ask at home

- How can you tell if a number is a power of 10?
- What digits have changed? How does this help?
- What is 1000 more/less than _____?
- What has stayed the same?

Key vocabulary

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

- Increase
- Decrease

Things to try

Focus on counting forwards and backwards where your child needs to cross a 10, 100, 1,000, 10,000 or 100,000. As this is often the trickiest bit. For example, count backwards in 3 steps of 100 (300) from 4,100: 4,100, 4,000, 3,900, 3,800.

Create a number by rolling a dice- then count on or back in a chosen power of 10 from that number.

Complete the grid style activity- Counting game:

Original Number	10 more	100 more	1,000 more	10,000 more	100,000 more
37	47		1,037	10,037	
490		590		10,490	100,490
1,365	1,375		2,365		

<https://www.playfulllearninggames.co.uk/blog/rescue-goody-counting-forwards-and-backwards-in-powers-of-10-yr5/>

Websites: <https://uk.free-maths.games/topics/year5/counting> Great four in row game- change the level.