



Year 6 Autumn 2

Number Sense Focus

Count in powers of 10, forwards and backwards with numbers up to 10 million.

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**. Children should be able to count forwards and backwards in powers of 10 (10, 100, 1,000, 10,000 and 100,000).

You might begin with counting forwards by 10, 100 or 1,000.

990, 1000, 1010...

1342, 1442, 1542...

You may then move on to counting forward by 10,000 or 100,000 (up to 10 million).

8543, 18543, 28543, 38543...

433,213, 533,213, 633,213...

You can then move on to counting backwards in powers of 10.

3,654,231, 3,554,321 ...

814,912, 804,912, 794,912...

2. Count forwards in steps of 100.

356										1578									
12 859										547 786									

3. Count forwards in steps of 1000.

2378										9541									
16 172										549 786									

Key vocabulary

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

Here are some links to games and resources that will help you child to develop their skills in this area.

<https://www.youtube.com/watch?v=XsRHM4yWEsA>

<http://www.snappymaths.com/counting/sequences/interactive/powers10seq/powers10seq.htm>

<https://mathsframe.co.uk/en/resources/category/395/count-forwards-or-backwards-in-steps-of-powers-of-10-for-any-given-number-up-to-1-000-000>

<https://www.transum.org/Maths/Exercise/Furthermore.asp>

