

R2P: 6NPV-1, 6NPV-2, 6NPV-3, 6NPV-4

Divide powers of 10 into 2,4,5 and 10 equal parts

NC

Read, write, order and compare numbers to 10,000,000 and determine the value of each digit.

Round any whole number to a required degree of accuracy.

Solve number problems and practical problems that involve all of the above.

Focus: Number/Place Value

Time: 2 weeks

Concept Sequence

Numbers to 1 million – read/write/represent in different ways. Partition in standard and flexible ways. PV Charts. Gattengo grids.

Numbers up to 10 million – read/write/represent in different ways. Know the value of each digit/Partition and Recombine

Read and write numbers to 10 million. Use commas. Look at terms such as half a million.

Powers of 10. Relationships between columns (not decimals).

Number line to 10 million.

Order/Compare to 10 million with numbers presented in different ways. Use vocabulary and inequality symbols.

Recap Y5 Rounding to 10, 100, 1000

Round whole numbers to required degree of accuracy within 10 million – use knowledge of multiples and place value to work out which two numbers they are rounding sits between.

Times Tables 5NF-1

Consolidate and practice all multiplication and division facts to 12x12 – any order, missing numbers, fractions.

Use multiplication and division facts to derive associated facts.

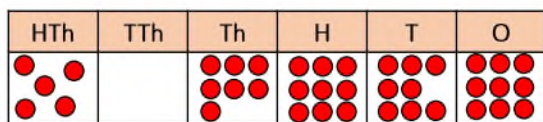
Develop multiplicative reasoning - links between multiplication, division and fractions.

Vocabulary

- Number, integer, numeral, none, Zero, One, two, three....ten million
- How many...?
- Count, count to/up to, count on, count on from, count on to, count back, count back from, count back to
- Forwards/Backwards
- Count in multiples of..... (include 25, 50, 100, 1000)
- Equal to, Equivalent to, Is the same as
- More, less, Most, least, many, tally
- Multiple of
- Sequence, continue, predict, Odd, even
- Few, pattern, pair, rule
- Ones, tens, hundreds, thousands, hundred thousands, million, digit
- One/two/....seven-digit number
- Place, place value, Stands for, represents, exchange
- The same number as, as many as
- More, larger, bigger, greater
- Greater than/less than
- Fewer, smaller, less, fewest, smallest, least
- Most, biggest, largest, greatest
- One more/less, ten more/less, hundred more/less, thousand more/less, ten thousand more/less, hundred thousand more/less, million more/less
- Ascending order, descending order

Resources

Place value counters, place value grids, number lines, counting stick
 Gordons Maths Games, Mathletics, TTRockstars
 BBC Super Movers
<https://www.bbc.co.uk/teach/super movers/ks2-collection/zr4ky9q>



Planning Links

White Rose/Power Maths, Maths No Problem/Aspire Maths
 White Rose Scheme of Work:
<https://assets.whiterosemaths.com/new-schemes/Y5%20Autumn%20Block%201%20SOL%20Place%20value.pdf>
 NCETM:
<https://www.ncetm.org.uk/classroom-resources/primm-1-30-composition-and-calculation-numbers-up-to-10-000-000/>