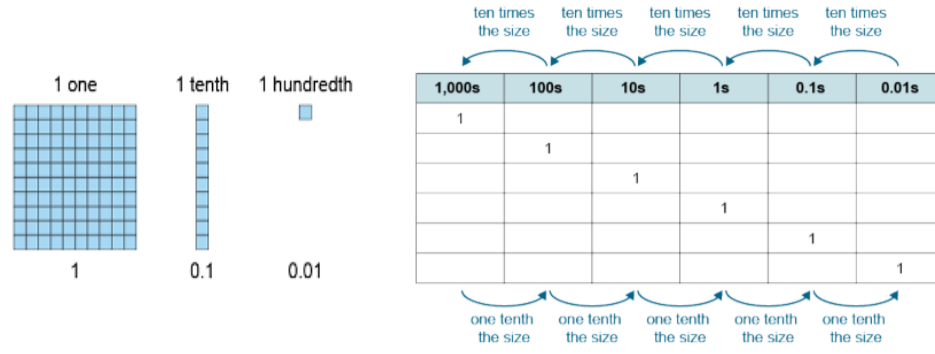




YEAR 5 Number and Place Value

Think Backs
 Partition numbers to 100000 in different ways
 Order and compare numbers to 1000000
 Doubling and halving
 Number bonds
 Missing numbers



End of Year 4 RTP - Y4
[Ready to progress Criteria Year 4](#)
 Know that 10 hundreds are equivalent to 1 thousand and that 1000 is 10 times the size of 100, apply this to identify and work out how many 100s there are in other four digit multiples of 100
 Recognise the place value of each digit in four digit numbers and compose and decompose four digit numbers using standard and non-standard partitioning
[White Rose end of year assessment](#)

[National Oak Academy materials](#)

ONGOING
 Read and write and order numbers up to 1 000 000 and with up to 2 d.p.
 Problem Solving - whole numbers and 2 d.p. count forwards and backwards in steps of powers of 10 for any given number up to 1 000 000

Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100,000
[WR Block 1 Steps 12 Step 13 Step 14](#)

[Maths assessment](#)

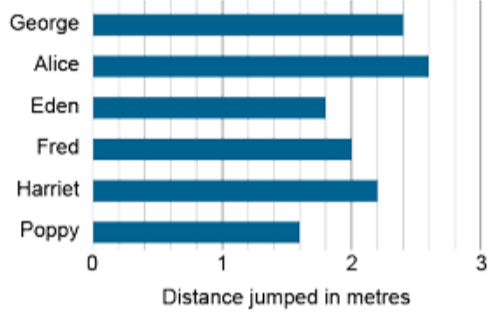
Know that 10 tenths are equivalent to 1 one and that 1 is 10 times the size of 0.1. Know that 100 hundredths are equivalent to 1 one and that 1 is 100 times the size of 0.01
[NCETM Year 5 Tents and Hundredths](#)

Order and compare numbers to at least 1 000 000 < >
[WR Step 10 Step 11](#)

Partition numbers to 1 000 000
[WR Step 8](#)

NCETM Spine Materials links
[Composition and calculation: multiples of 1000 up to 1,000,000.](#)
[Negative numbers: counting, comparing and calculating.](#)
[Tents and hundredths](#)
[Reading scales with 2, 4, 5 10 intervals](#)
[Convert between units of measure](#)
[Ready to Progress In Year 5](#)

Autumn Term 1 Starting Point
 Recognise the place value of each digit in numbers up to 1 000 000.
 Compose and decompose using standard and non-standard partitioning
[WR Step 5](#)



5NF-1 Secure fluency in multiplication and division facts
 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.

Know that 10 hundredths are equivalent to 1 one and that 1 is 100 times the size of 0.01

Recognise the place value of each digit in numbers up to 2 decimal places and compose and decompose up to 2 d.p. using standard and non-standard partitioning
[NCETM Year 5](#)
 5NPV-2 Place value in decimal fractions
[WR Block 3 Decimals Step 1](#)

Introduce Thousandths as a decimal on a place value chart [WR Block 3 Steps 6 Step 7](#)

End Point
 To solve problems that involve reading, writing, ordering and comparing numbers to at least 1 000 000 including negative whole numbers and decimals to 2 d.p.

Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero
[WR Negative Numbers Block Steps 1-5](#)
[Assessment](#)



Order and compare numbers with up to 2 d.p. (extend to 3d.p)
[WR Block 3 Step 8, Step 9](#)

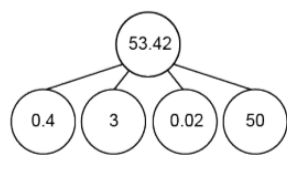
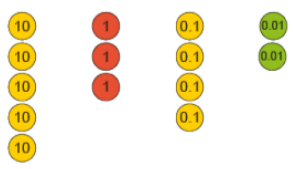
Multiply and divide whole numbers and decimals by 10, 100, 1000 including converting between different units of measure
[WR Multiplication and division Block A Steps 8, Step 9, Step 10](#)

Divide 1 into 2, 4, 5 and 10 equal parts and read scale number lines marked units of 2, 4, 5 and 10 equal parts. [NCETM Year 5 Reading scales with 2,4,5 or 10 Intervals](#)

Round decimals with up to 2 d.p. to the nearest whole number + to 1 d.p.
[WR Block 3 Steps 10, Step 11](#)

Reason about the location of any number with up to 2 d.p. in the linear number system including identifying the previous and next multiple of 1 and 0.1
[Decimals in the linear number system](#)

Next Unit
 Addition and Subtraction
Thinking ahead
 How does knowing that 2 + 5 = 7 help you to work out 20,000 + 50,000?



Vocabulary and stem sentences
[NCETM vocabulary](#)
[Stem Sentences](#)
[NCETM Stem Sentences](#)

Useful links
[White Rose—Place Value](#)
[NCETM Mastery](#)
[Calculation Policy](#)

Think Hard
[Mastery assessment](#)
[I see reasoning](#)
[I can see problem Solving](#)

