

Year 2 End of Unit Milestones: Autumn Term

Number and Place Value: Numbers to 100

By the end of this unit, children will be able to:

- count numbers up to 100 using concrete objects: counting up by ones and tens
- understand each digit in a number has its own value
- compare numbers using place-value knowledge gained from previous lessons
- use the number bond strategy to deepen understanding of place value
- count in ones and tens
- boundary cross using tens and ones
- recognise and describe patterns with more complex numbers, in particular 3 and 5.

Calculations: Addition and Subtraction

By the end of this unit, children will be able to:

- add a 1-digit number to a 2-digit number without regrouping the ones
- add tens by recognising its relationship to adding ones
- add 2-digit numbers where one is a multiple of 10
- add with tens and ones where the ones are both more than zero
- add 1-digit numbers to a 2-digit number resulting in renaming of ones
- add two 2-digit numbers where renaming is expected
- subtract ones from a 2-digit number
- subtract 2-digit multiples of 10 from 2-digit multiples of 10
- subtract tens from a 2-digit number with the ones being more than zero
- subtract a 2-digit number by another 2-digit number
- subtract a 2-digit number by a 1-digit number with renaming
- subtract a 2-digit number by another 2-digit number where renaming has to occur
- add three 1-digit numbers.

Multiplication of 2, 5 and 10

By the end of this unit, children will be able to:

- know that multiplication is the same as repeated addition with equal groups
- recall the 2 times table
- use concrete materials and pictorial representations to multiply by 2
- recall the 5 times table and to highlight multiplication visually as equal groups
- identify numbers found in the 10 times table
- recall the 10 times table in more detail by looking at patterns and relationships
- understand links between the 2, 5 and 10 times tables.
- understand commutative law
- use knowledge of the 2, 5 and 10 times tables to further investigate commutative law.

Multiplication and Division of 2, 5 and 10.

By the end of this unit, children will be able to:

- understand that grouping is a way of dividing
- divide by sharing an amount
- divide by 2. The two strategies used here are splitting into groups of x and splitting into equal groups of many
- divide by 5 and identify links with multiplying by 5
- divide by 10 and identify links with multiplying by 10
- use multiplication and division skills to identify family facts in a number sentence
- understand and solve word problems which require the use of the multiplication and division skills covered in this chapter
- decide whether odd or even numbers can be divisible by 2, 5 or 10

Measurement: Length

By the end of this unit, children will be able to:

- measure length in metres, centimetres
- compare length for objects using 'greater than' and 'less than' symbols
- compare different lengths using centimetres as the unit of measure
- compare and measure various line lengths: both straight and curvy
- solve problems involving measurement in the context of word problems.