

Number Facts: Reception Year

Early Learning Goal 11: Number

Children count reliably with numbers from 1 to 20, place them in order and say which number is one more or one less than a given number. Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. They solve problems, including doubling, halving, and sharing.

Number Facts: Number and place value

- Know the sequence of counting in ones from 1 to 20 (by rote)
- Recognise numerals 0 - 9
- Accurately count up to 20 objects
- Place numbers to 20 in order

Proposed Early Learning Goals 2021 *currently under consultation*

Number

- Have an understanding of numbers to 10, linking names of numbers, numerals, their value, and their position in the counting order.
- Subitise (recognise quantities without counting) up to 5.
- Automatically recall number bonds for numbers 0-5 and for 10, including corresponding partitioning facts.

Numerical Patterns

- Automatically recall double facts up to 5+5.
- Compare sets of objects up to 10 in different contexts, considering size and difference.
- Explore patterns of numbers within numbers up to 10, including evens and odds.

Early Learning Goal 12: Shape, space, and measures

Children use everyday language to talk about size, weight, capacity, position, distance, time, and money to compare quantities and objects and to solve problems. They recognise, create, and describe patterns. They explore characteristics of everyday objects and shapes and use mathematical language to describe them.

Number Facts: Early Calculation

- Use the language of 'more' and 'fewer' to compare two sets of objects.
- Find the total number of items in two groups by counting all of them.
- Say the number that is one more than a given number to 20.
- Say the number that is one less than a given number to 20.
- Recognise when a quantity or items is reduced or increased by one.
- Subtract a quantity within 20. Say how many are left by counting (or counting back)
- Double small numbers (e.g. the amount shown on two dice)
- Share objects equally, or fairly, by putting them in equal sized groups

Number facts: Measure

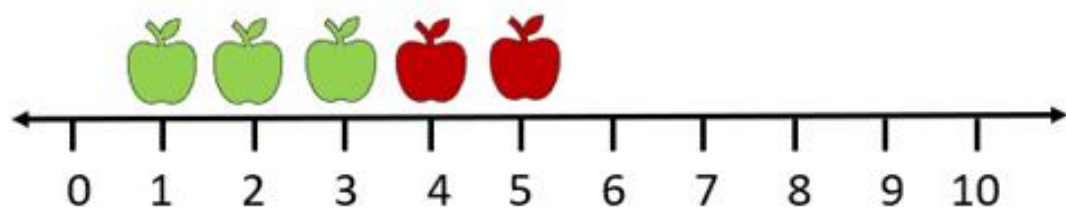
- Develop an awareness of measure through practical experiences (e.g. length, weight/mass, capacity, distance, height) in readiness for more precise measuring in KS1
- Develop an awareness of time passing, in preparation for telling the time.
- Begin to use the language of time (next, before) to sequence personal events
- Develop their use and understanding of positional language.
- Explore 2-D and 3-D shape (e.g. through constructions and patterns)

Number Facts: Fractions

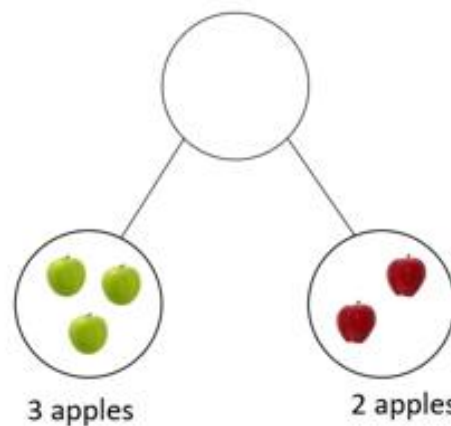
- Develop an awareness of halving through practical experiences.

Mathematical models and images to support conceptual understanding underpinning key facts in Reception

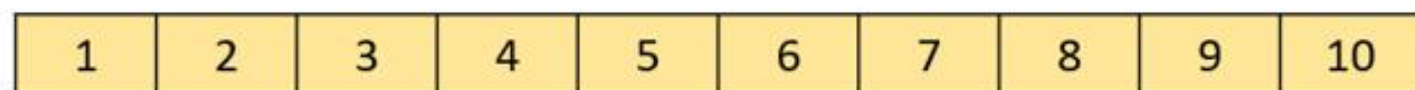
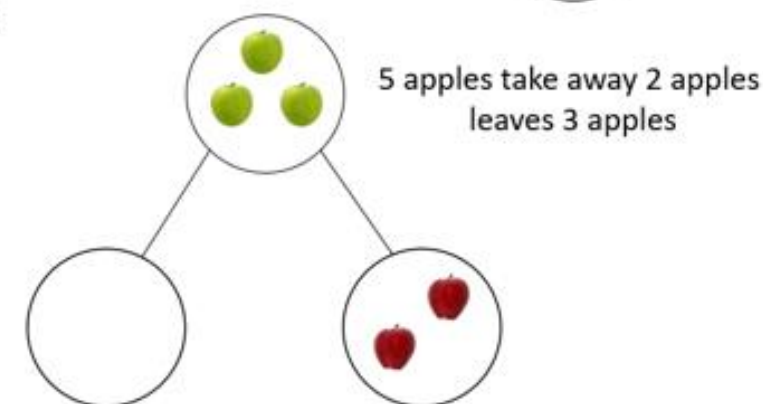
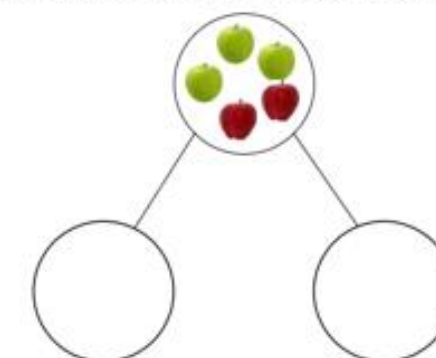
Early representations of structure



'part-part-whole' language



3 apples and 2 apples altogether is 5 apples



number tracks and number lines

