



EYFS - Autumn - Maths Knowledge Organiser



What I will learn...

- To understand how to match objects and pictures.
- To understand how to identify a set.
- To know how to sort objects to a type.
- To know how to compare amounts.
- To know how to compare size, mass and capacity.
- To know how to explore, copy and continue simple patterns.
- To know how to find, subitise and represent 1, 2 and 3.
- To understand and explore 1 more and 1 less.
- To know how to explore the composition of 1, 2 and 3.
- To know how to identify, compare and name circles and triangles.
- To understand how to describe position.
- To know how to find, subitise and represent 4 and 5.
- To know how to explore the composition of 4 and 5.
- To know how to identify, compare and name shapes with 4 sides.
- To know how to combine shapes with 4 sides.
- To explore shapes in the environment.
- To understand day and night.

Key Vocabulary

Representation	Using equipment or drawings to show a quantity or number.
Compare	To think about similarities and differences. To use language of 1 more than and 1 less than.
Composition	Numbers are made up of smaller numbers.
More	A greater amount of.
Less	A smaller amount of.
Circle	A shape with one curved side.
Triangle	A shape with 3 straight sides.
Square	A shape that has 4 equal straight sides and 4 corners.
Rectangle	A shape that has 4 straight sides and 4 corners.
Positional lan-	How items are positioned in relation to other items.

Making a difference at The Merton

In maths this term we will continue to incorporate practical learning experiences that follow the early 'number sense' principles, that will allow the children to develop their fluency, problem solving and reasoning skills. The children will experience playful opportunities that allow them to develop their conceptual understanding of number, time and shape through practical indoor and outdoor play experiences. Children will take a self-directed and active role in their learning through our continuous provision. Our natural environment will be used to explore shapes and positional language. The children will explore numbers to 5 through representing and investigate numbers to 3 through comparing and composition. Children will learn how numbers can be represented in a variety of ways and total amount of two groups. Children will participate in singing songs and rhymes. Children will physically move and manipulate resources to represent quantities and investigate the concept of more and less. These play opportunities will form the foundations for the introduction of pictorial mathematical experiences.

Making a difference at home

- Help count out the plates at tea time.
- Can you recognize different shapes in the environment?
- Help sort the shopping.

