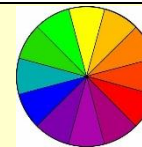




Maths Knowledge Organiser

Reception – Autumn 1

2024–2025



Learn to love, love to learn.

What we will be using:

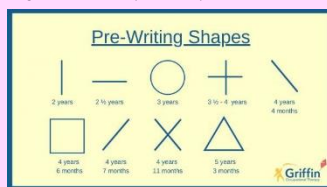


What I will learn:

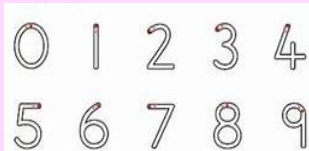
- To sort by colour, size and characteristic
- To identify numbers to 10 (and further)
- To subitise an amount
- To recognise patterns and continue a repeated pattern (A, B, A, B)
- To count out an amount of objects
- To match number to quantity to 5
- To know one more and one less
- To complete grouping of objects to support addition and subtraction calculations

Pre-Writing Shapes:

For those not yet ready to begin forming numbers, forming these shapes help their development.



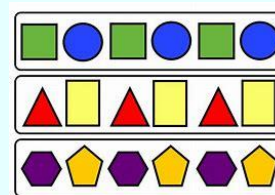
Number formation:



Key Vocabulary:

Repeated pattern

Observing a pattern and continuing the pattern. For example:



Sorting by...

Sorting objects by their colour (green objects together, red objects together). Sorting objects by size (big, small, tall, short).

Subitise

Knowing how many objects are in front of you, without needing to count them (up to 5 objects).

Number to quantity

Being shown a number and showing the correct amount with physical objects such as cubes or counters.

One more and one less

Knowing one more or one less than a given number (One more than 6 is 7. One less than 5 is 4.)

Grouping of objects and calculating

Knowing how many there are all together is due to the amount in groups. (There are 6 altogether, because there are 3 in this group and 3 in that group. I know that this is 5, because there are two in this group and 3 in that group.)
Mathematical talk is constantly encouraged. Verbal problem solving.

Making a difference at home:

- Count with your child and see how far they can go.
- Show your child a number and see if they can collect that many items for you.
- Bring numbers into all conversations!

Numbers on buses, on houses, numbers in the shops.

- Ask numerical questions. During a shopping trip: "Can you put the bunch of bananas in to the trolley. How many bananas are there?"

- Practice writing numbers down with the correct formation.
- Group objects to support addition.

"I have 3 blocks here and 4 blocks there. How many blocks in total?"

I have 7 blocks altogether. How do I know this? "Because there are 5 blocks in this group and 2 in that group."

