Lister Primary School

Nursery Maths

Key Instant Recall Facts

(KIRFs)

To develop your child's fluency and mental maths skills, we have decided to introduce KIRFs (Key Instant Recall Facts) throughout school. **KIRFS are a way of helping your child to learn by heart, key facts and information which they need to have instant recall of to support maths progression.**

KIRFs are designed to support the development of mental maths skills that underpin much of the maths work in schools. They are particularly useful when calculating: adding; subtracting; multiplying or dividing. They contain number facts such as number bonds and times tables that need constant practice and rehearsal, so children can recall them quickly and accurately.

Instant recall of facts helps enormously with mental agility within maths lessons. When children move onto written calculations, knowing these key facts is very beneficial. For your child to become more efficient in recalling them easily, they need to be practised frequently and for short periods of time.

Each half term, children will focus on a Key Instant Recall Fact (KIRF) to practise and learn at home for the half term. They will also be available on our school website under the maths section. The KIRFs include practical ideas to assist your child in grasping the key facts and contain helpful suggestions of ways in which you could make this learning interesting and relevant. They are not designed to be a time-consuming task and can be practiced anywhere – in the car, walking to school, etc. Regular practice - little and often – helps children to retain these facts and keep their skills sharp. **Throughout the half term, the KIRFs will also be practiced in school and your child's teacher will assess whether they have been retained.**

Over their time at primary school, we believe that - if the KIRFs are developed fully - children will be more confident with number work, understand its relevance, and be able to access the curriculum much more easily. They will be able to apply what they have learned to a wide range of problems that confront children daily.

If you have any questions, please do not hesitate to ask your child's class teacher or Mrs White (Maths Subject Leader).

Nursery – Autumn 1

I can say the numbers from 0 to 3 and back from 3 to 0 in order

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**.

To recall and recognise in order:

0, 1, 2, 3

And back again:

3, 2, 1, 0

Key Vocabulary

0

1

2

3





Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Use practical resources -

- Spot numbers in the environment around them: on phones, clocks, microwaves, registration plates, doors etc
- Count out 3 toys and count back as you put them away.
- Make biscuits and decorate them counting out 3 decorations.

Nursery – Autumn 2

I can recognise quantities and match numerals to three

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly using subitising** .

Recall and recognise in order:

0, 1, 2, 3



Images, numerals and quantities.





Key Vocabulary

Amount

How many

Match to number

Represent

Top Tips

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Use practical resources -

- Number treasure hunt around the house or in the garden.
- Play hopscotch and count as you jump forward.
- Thread pasta; count to 10 as you thread them on and count back as you take them off.

Nursery – Spring 1

Use the language: before, after, next.

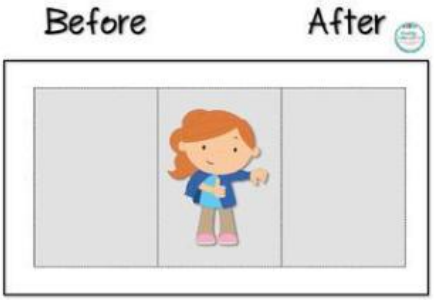
Children should be able to use the language of before, Next and after e.g.

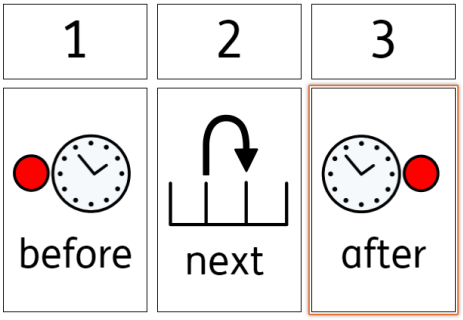
"We go outside before we have lunch"
"We can have a snack after we have been to the toilet"
"It is your turn next"

Key Vocabulary

Before
Next
After

Children should know these words. The aim is for them to recall these words instantly.





Top Tips

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Use Practical Resources –

Before shoes put socks on. After socks put on shoes, next put on your coat.

Talk about activities in relation to each other using the words "before" and "after"

e.g. "Before bedtime, we will have a bath".

Nursery – Spring 2

I can partition numbers to 3 into two groups

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**.

3 is made of 3 and 0

3 is made of 2 and 1

3 is made of 1 and 2

Key Vocabulary

3 is made of ____ and _____

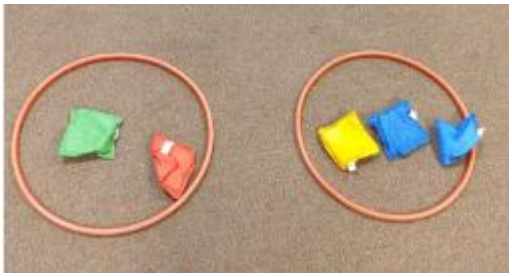
Whole

Parts

Top Tips

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- 3 teddies are made of 1 blue teddy and 2 red teddies
- Find different ways of partitioning 3 biscuits / sweets between 2 plates. How many on each plate?
- Make 2 homes (boxes) for 3 teddies / dolls or 2 car parks for 3 cars. Find different ways to partition the dolls / teddies / cars
- **Watch 'Numberblocks' on CBeebies**
- **www.bbc.co.uk/cbeebies/shows/numberblocks**





Nursery – Summer 1

I can recognise colours and shape names

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**.

Children should be able to recognise colours:

red, blue, yellow, green, orange, pink, purple, brown, black and white.

Children should know shapes:

circle, square, triangle, rectangle, oval, star.

Key Vocabulary

Colours

Shapes

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Use Practical Resources -

- Talk about the colour of clothes and food.
- Colour treasure hunt. Once they have found all the coloured items, peg them in order on a washing line.
- Spot shapes in the environment.



EYFS – Summer 2

I can say the numbers from 0 to 5 and back from 5 to 0 in order

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**.

To recall and recognise in order:

0, 1, 2, 3, 4, 5

And back again:

5, 4, 3, 2, 1, 0



Key Vocabulary

0

1

2

3

4

5



Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Use practical resources -

- Spot numbers in the environment around them: on phones, clocks, microwaves, registration plates, doors etc
- Count out 5 toys and count back as you put them away.
- Make biscuits and decorate them counting out 5 decorations.