Elmwood Primary School

EYFS 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.**

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 us regularly.

If you have any questions, please do not hesitate to ask your child's class teacher or Miss Baker (maths subject leader).

Key Instant Recall Facts
EYFS – Autumn 1

I can recognise and recall numbers to 10

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 numbers to 10, including different examples of numbers and how they are represented in their immediate environment.

Children can then match the visual representation of the numbers to a quantity.

Key Vocabulary

recall

recognise

observe

environment

quantity

amount

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 -

- Use number cards and play snap

- Go on a number hunt inside and outside your home. Talk about the numbers you see.

- Hide numbers around the house and then find the same amount of objects to match to each number.

I can order and count numbers from 0 to 10, forwards and backwards and in sequence.

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

Recall and recognise in order, including number names:

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

And back again:

10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0

Key Vocabulary

1 - One

2 - Two

3 - Three

4 - Four

5 - Five

6 - Six

7 - Seven

8 - Eight

9 - Nine

10 - Ten

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.

I can recognise small quantities without needing to count them.

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 how many objects are in a group of up to 5 items, both in regular and irregular arrangements, without having to count them by touching them one at a time.

Key Vocabulary

amount

quantity

visual

recognise

pattern

arrangement

regular

irregular

Note:

Regular arrangement means in a familiar order or pattern, such as a line.

Irregular arrangement means out of order or in a random pattern, such as a circle.

Top Tips

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Use Practical Resources -

- Roll a dice. Ask children to look at how many spots they see on the dice. What did they notice? Perhaps it was the familiar shape or pattern of spots?

- Have a group of raisins in a bowl. Encourage your child to look and instantly recognise how many raisins they see. Talk about how they knew this.

- Use beads or other small items and place them on the table. What do they see? Your child should be able to say the total amount without counting them practically.

Key Instant Recall Facts
EYFS – Spring 2

I can work out 1 more or 1 less than a given number to 10.

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

Children are able to practically work out what 1 more and 1 less would be from any given number to 10.

Children need opportunities to compare and contrast collections of objects and talk about which group has more or less and why.

Key Vocabulary

compare

contrast

more

less

difference

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 -

- Have two seperate groups of objects e.g. satsumas. Which group has more? Which group has less? What is the difference between each group?

- Build a lego tower using the same coloured bricks. Can you add 1 more? Can you take 1 away?

I can identify groups with the same number of things

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

Children recognise that different groups of items all have the same total.

Key Vocabulary

same

amount

quantity

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 –

- Have groups of different objects. Ash your child what they see? Encourage your child to focus on the same quantity each time.

I can partition numbers to 5 into two (or more) groups.

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

5 is made of 5 and 0

5 is made of 4 and 1

5 is made of 3 and 2

or:

Key Vocabulary

5 is made of _____ and _____

Whole

Parts

5 is made of 3 and 1 and 1

Top Tips

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Use practical resources –

- 5 teddies are made of 1 blue teddy and 4 red teddies
- Find different ways of partitioning 5 biscuits/sweets between 2 (or 3) plates. How many on each plate?
- Make 2 homes (boxes) for 5 teddies/dolls or 2 car parks for 5 cars. Find different ways to partition the dolls/teddies/cars
- Watch 'Numberblocks' on CBeebies - www.bbc.co.uk/cbeebies/shows/numberblocks