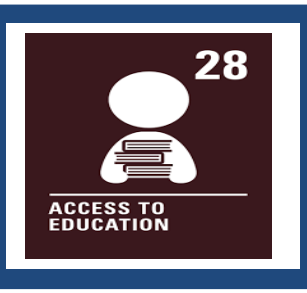


EYFS Maths

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.

Key **I**nstant **R**ecall **F**acts

EYFS – Autumn 1

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.

Key **I**nstant **R**ecall **F**acts

EYFS – Autumn 2

I can say the numbers from 0 to 10 and back from 10 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**.

Recall and recognise in order:

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

6

7

8

9

10

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 -

- 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.

Key **I**nstant **R**ecall **F**acts

EYFS – Spring 1

I know the days of the week 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**.

Children should be able to know the days of the week and be able to know the next day in order.

E.g. Today is Tuesday.

What day will it be tomorrow?

Key Vocabulary

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

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 -

- Read the 'Hungry Caterpillar'
- Sing songs which can be found online
- Ask your child each day 'What day is it today?'
- Use alliteration e.g. monkey Monday, tiger Tuesday, whale Wednesday, Thornbill Thursday, froggy Friday, squirrel Saturday and snail Sunday. Make it fun by asking them to pretend to be the animal.

Key Instant Recall Facts

EYFS – Spring 2

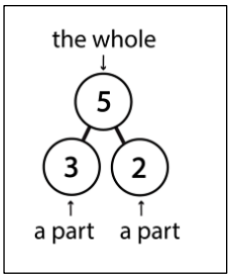
I can partition numbers to 5 into two groups

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

5 is made of 5 and 0

5 is made of 4 and 1

5 is made of 3 and 2



Key Vocabulary

5 is made of _____and _____

Whole

Parts

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 –

- 5 teddies are made of 1 blue teddy and 4 red teddies
- Find different ways of partitioning 5 biscuits / sweets between 2 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**

Key **I**nstant **R**ecall **F**acts

EYFS – Summer 1

I can count, read and order numbers to 20.

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 count (in order) and read from 0 to 20 in numerals (not words).

Children should know what number comes next, e.g. 17 comes after 16.

Children should also know what number comes before a number, e.g. 12 comes before 13.

Key Vocabulary

11
12
13
14
15
16
17
18
19
20

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 -

- Count toys as they put them away.
- Number treasure hunt. Once they have found all the numbers, peg them in order on a washing line.
- Put number stickers on toy cars. Can they line the cars up in order?

Key Instant Recall Facts

EYFS – Summer 2

I can use physical representations to add and subtract.

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

E.g.

First they have 2 cars. Then they add 1 car.

Now they have 3 cars.

Children are to '**count on'** to work this out (1, 2, 3)

Key Vocabulary

Count on

Count back

First they have 7 cars. Then they take 2 away.

Now they have 5 cars.

Children are to '**count back'** to work this out (7, 6, 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 -

Use as many practical resources as you can. E.g. potatoes on their plate, cars at the traffic lights, toys in their room, forks on the dinner table etc.