



# Year 2 Maths

## KEY INSTANT RECALL FACTS (KIRFs)

To develop your child's fluency and mental maths skills, we have introduced 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 practise and rehearsal, so children can recall them quickly.

Each half term, children will focus on 2 KIRFs to practise and learn at home alongside the work that we will be doing weekly in school. They will include ideas to assist your child in grasping these key facts. They are not designed to be a time-consuming task and can be practised anywhere – in the car, walking to school etc. Regular practise – little and often – helps children to retain these facts.

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

Thank you for your support.

# Key Instant Recall Facts

## Year 2 Summer 1

This half term your child is working towards achieving knowledge of the KIRFS, indicated below.

The ultimate aim is for your child to be able to recall these facts instantly.

This term's KIRF.....

I know multiplication and division facts for the 5x table.

For example:

The five times table is a key skill for KS1 learners. They should already be able to count forward and backwards in 5's, now they need to apply that be able to multiplication facts.

They should be able to answer these questions in any order, including missing number questions, e.g.  $\_ \times 5 = 25$ .

### Key Vocabulary

**Multiply**- Adding equal groups a certain number of times,  
e.g.  $5 \times 4 = 5+5+5+5 = 20$ .  
Can also be referred to as groups of or lots of.

**Divide**- Sharing or grouping numbers/objects into equal groups,  
e.g.  $10 \div 5 = 2$ .

Questions to ask at home:

What is 5 multiplied by 8?

What is 3 lots of 5?

What is 25 divided by 5?

How many groups of 5 can you make from 10 objects

Things to try

**5 times table song**- Play a 5 times table song in the car when travelling.

**Can you beat the calculator?** - Ask your child a 5 times table question, see if they can answer it before you type it into a calculator!

**How many fingers and toes?** - Draw around all of the hands and feet in your household, how many fingers and toes are there altogether?

**Skip count** – Go outside, use chalk to write the numbers 1-12 in a random order. Jump, skip or hop along the numbers, multiplying each number by 5 as you go.

### **Online games**

White Rose video: Spr2.2.4 - 5 times-table on Vimeo

Hit the Button - Quick fire maths practise for 6-11 year olds ([topmarks.co.uk](http://topmarks.co.uk))

Whack A Mole - Counting in steps of 1, 2, 3....12 ([ictgames.com](http://ictgames.com))

Duck Shoot - tablet friendly ([ictgames.com](http://ictgames.com))

TTRS

This term's KIRF 2.....  
I can tell the time to five minutes using 'to the hour'

### For example

Children need to be able to tell the time using a clock with hands (analogue clock). They should already be confident with reading o'clock, half past and quarter to/past. We have also covered minutes to the hour and minutes past in our maths lessons.

### Key Vocabulary

Minute hand – the longer hand.

Hour hand – the shorter hand.

Half past – 30 minutes past the hour.

O'clock – on the hour

Quarter past – 15 minutes past the hour.

Quarter to – 45 minutes past the hour

\_\_past \_\_ e.g. five past one

\_\_\_to\_\_\_ e.g. ten to five

### Questions to ask at home

**What time is it?**- Find as many opportunities as possible to ask your child what time it is throughout the day. This will also help them to understand what happens at different times.

**Hula hoop clock**- Use a hula hoop, chalk for the numbers and some sticks to make your own clock.

**Time monitoring**- Give your child responsibility for keeping track of the time, for example 'We need to take the cakes out of the oven at 5 past 2. Tell me when that is.'

### Online games

[https://mathsframe.co.uk/en/resources/resource/116/telling\\_the\\_time#](https://mathsframe.co.uk/en/resources/resource/116/telling_the_time#)

<https://www.sheppardsoftware.com/math/time/clock-splat-game>