



Year 6 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 6 Summer 2

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

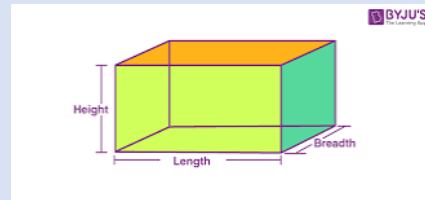
The ultimate aim is for your child to be able to recall these facts instantly.

This term's KIRF 1.....

I know the formula for finding the volume of shapes.

Volume of a cuboid = length x breadth x height

Volume of a cube = length x breadth x height



Key Vocabulary

Volume, cube, cuboid, length, height, breadth

Play a game

Measure boxes at home to the nearest centimetre and calculate the volume. Can you put them in order from the smallest volume to the largest volume? Estimate first.

Online games to support

[How to calculate volume - BBC Bitesize](#)

[Volume of a cuboid - Geometry - Practice, games, exercises - MathKite](#)

This term's KIRF 2.....

I can convert between units of time.

To know how to convert times from seconds to minutes etc

Key Vocabulary

Second, minute, day, week, fortnight, month, year, decade, century, millenia

Play a game

Choose a birthday in the family or an event that is approaching:

How many months, weeks, days until the birthday/event?

For birthday/events happening soon this could include number of minutes and seconds.

Online games to support

[Convert Time Units - Year 6 - Practice with Math Games](#)

[Units of time matching - Matching pairs \(wordwall.net\)](#)

[Converting Units of Time | Turtle Diary Quiz](#)