



Walter Infant School and Nursery

Key Instant Recall Facts (KIRFs)

(This is a working document so is subject to change)



Intent: Children will be able to recall the below mathematical facts with automaticity enabling them to access maths lessons more successfully and continue building on prior knowledge.

Implementation: Key Instant Recall Facts will be taught and practised in every maths lesson, largely through mental oral starters. They will be practised in a variety of different ways using alternative representations so that children can embed the knowledge. If an objective hasn't been secured in the previous year group this will need to be revised and secured in the current year group.

Impact: These form the foundation of maths learning. Once children can recall these facts with automaticity they will be more successful and confident in all maths learning. They will be able to focus on the skills they are learning rather than trying to remember specific knowledge.

Foundation Stage 1 – By the end of the year we expect our children to...

- Count in rote to 10
- Recognise numerals 1-5
- Recognise 'finger numbers' to 5
- Order numbers 1-5
- Recognise and name 2D shapes (square, rectangle, triangle, circle)
- Subitise up to 3
- Match numerals to objects (up to 5)
- Recognise an ABAB pattern

Foundation Stage 2 – By the end of the year we expect our children to...

- Count in rote to 20 (and beyond)
- Recognise numerals to 10
- Recognise 'finger numbers' to 10
- Order numbers to 10
- Recognise when a quantity is greater or less than
- Use the words 'more', 'less' and 'the same'
- Subitise to 5
- Know number bonds to 5
- Identify if a number is odd or even (up to 10)
- Identify errors in ABAB patterns





Year 1 – By the end of the year we expect our children to...

- Count to 100
- Recognise numerals to 100
- Count backwards from 20
- Know number bonds to 10
- Count in multiples of 2, 5 and 10
- Recognise and name 2D and 3D shapes (circle, square, rectangle, triangle, cube, cuboid, sphere, cone, pyramid)
- Recognise and name coins in pence and pounds
- Recognise o'clock and half past times
- Recite the days of the week and months of the year in order
- Identify 1 more and 1 less than a number
- Recognise the addition and subtraction symbols

Year 2 – By the end of the year we expect our children to...

- Know number bonds to 20
- Know many addition and subtraction facts up to and including 20
- Know doubles to 20
- Know half of an even number up to 20
- Recognise and name quarter past and quarter to each hour
- Count in multiples of 3
- Recognise the multiply and divide symbols
- Recognise fractions ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$)
- Know 10 more or 10 less than a number

