



Coalbrookdale Progression in KIRFs

These are the Key Instant Recall Facts (KIRFs) that children are expected to know by the end of each half term. KIRFs are designed to support the development of mental maths skills that underpin much of the maths work in our school. 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 and accurately. Instant recall of facts helps enormously with mental agility in 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.

The facts are taught in class first, and then the children are expected to practise them in class, as part of your mental and oral starter, three times a week. The children will also be given them at the start of each half term as homework.

Children will be tested in class fortnightly to assess their fluency in the recall of these facts. It is expected that all children will be learning these facts at the same time. Occasionally, an adjustment may be made, to support children who have not yet secured facts from previous terms, or year groups.



EYFS

Reception

- I can count the numbers in order up to 5.
- I can count back from 5 to 0 in order.
- I can recognise numbers 1 to 5.
- I know all the days of the week.
- I can count up to 10 objects.
- I can count back from 10 to 0 in order.
- I can recognise numbers 5 to 10.
- I can count to twenty starting at any given number.

KEY STAGE 1

Year 1

- I know one more and one less with numbers to ten.
- I know number bonds for each number to 6.
- I know number bonds to 10.
- I know number bonds for each number from 7 to 9.
- I know doubles and halves of numbers to 10.
- I can tell the time to o'clock and half past.
- I know the months of the year.

Year 2

- I know number bonds to 20.
- I recognise near doubles.
- I know number bonds for pairs of numbers that bridge over ten.
- I know the multiplication and division facts for the 2 times table.
- I know the multiplication and division facts for the 10 times table.
- I know the multiplication and division facts for the 5 times table.
- I can tell the time to five minutes, including quarter past/to the hour.
- I know the number of minutes in an hour and the number of hours in a day.



LOWER KEY STAGE 2

Year 3

- I know number bonds for all numbers to 20.
- I know the multiplication and division facts for the 3 times table.
- I know the multiplication and division facts for the 4 times table.
- I know the multiplication and division facts for the 8 times table.
- I can tell the time.
- I can recall facts about durations of time

Year 4

- I know bonds to 100.
- I know the multiplication and division facts for the 6 and 9 times tables.
- I know the multiplication and division facts for the 7- and 11-times tables.
- I know the multiplication and division facts for the 12 times table.
- I can multiply and divide single-digit numbers by 10 and 100.
- I can recognise decimal equivalents of fractions.

UPPER KEY STAGE 2

Year 5

- I know the multiplication and division facts for all times tables up to 12×12 .
- I know decimal number bonds to 1 and 10.
- I can recall square numbers up to 122 and their square roots.
- I know my cubed numbers up to 5 cubed.
- I can identify prime numbers up to 20.
- I can find factor pairs of a number.
- I can multiply and divide single-digit numbers by 10, 100 and 1000 (and apply this to measure).

Year 6

- I know the multiplication and division facts for all times tables up to 12×12 .
- I can identify common factors of a pair of numbers.
- I can identify prime numbers up to 100.
- I can convert between decimals, fractions and percentages.