



Key Instant Recall Facts

Year 6 – Autumn Term 1

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I can count in powers of 10, forwards and backwards with numbers to 10 million

Children should be able to count forwards and backwards in powers of 10 (10, 100, 1,000, 10,000, 100,000) up to 10 million.

See example below:

Count forwards in steps of 10, starting from 10,000:

10,000, 10,010, 10,020,
10,030, 10,040, 10,050,
10,060 etc.

Key Vocabulary

multiples
powers of 10
ten, hundred,
thousand, ten
thousand, hundred
thousand, million

Top tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

Focus on counting forwards and backwards where your child needs to cross a 10, 100, 1,000, 10,000 or 100,000. For example, count backwards in steps of 100 from 4,100: 4,100, 4,000, 3,900



Key Instant Recall Facts

Year 6 – Autumn Term 2

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I can identify common factors of a pair of numbers

The factors of a number are all numbers which are divisible by the number with no remainder.

E.g. the factors of 24 are 1, 2, 3, 4, 6, 8, 12 and 24 the factors of 56 are 1, 2, 4, 7, 8, 14, 28 and 56.

The common factors of two numbers are the factors they share.

E.g. the common factors of 24 and 56 are 1, 2, 4 and 8

Key Vocabulary

factor

common factor

multiple

highest common factor

lowest common multiple

Top tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

Play games - Choose two numbers. Take it in turns to name factors. Who can find the most?

NOTE – We do not expect children to know all the factors of a number instantly but would expect them to be able to work them out quickly and accurately for numbers under 100.