Key Instant Recall Facts

Year 6 – Autumn Term 2

I can identify common factors of a pair of numbers

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**.

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 the highest common factor of 24 and 56 is 8.

Key vocabulary

factor
common factor
multiple
highest common factor

Children should be able to explain how they know that a number is a common factor. E.g. 8 is a common factor of 24 and 56 because 24 = 8 x 3 and 56 = 8 x 7

Top tips

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

Practical resources

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 within a minute or so for numbers under 100.