Key Instant Recall facts
Year 6 – Autumn 2

To identify common factors of a pair of numbers.

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

	Key Vocabulary
The factors of a number are all numbers which it can divide into 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 greatest common factor of 24 and 56 is 8. *Choose 2 other numbers from the times tables. Can your child find the factors, then the common factors and then the greatest common factor? Repeat!*	factor common factor multiple greatest 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 × 3 and 56 = 8 × 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?

If your child is not yet confident with identifying factor pairs of a number, you may want to practise this first.

If you would like more ideas, please speak to your child's teacher.

https://www.mathsisfun.com/greatest-common-factor.html

http://www.conkermaths.org/cmweb.nsf/products/conkerkirfs.html

 https://www.topmarks.co.uk/maths-games/7-11-years/multiplication-and-division - lots of games here

Choose two numbers between 1 and 144. Take it in turns to name factors. Who can find the most?