

# Key Instant Recall Facts

## Year 6 - Autumn 2

### I can 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**.

<p>The factors of a number are all numbers which it can divide into with no remainder.</p> <p>E.g. the factors of <b>24</b> are 1, 2, 3, 4, 6, 8, 12, and 24. The factors of <b>56</b> are 1, 2, 4, 7, 8, 14, 28 and 56.</p> <p>The common factors of two numbers are the factors they share.</p> <p>E.g. <b>the common factors of 24 and 56 are 1, 2, 4 and 8.</b></p> <p>The greatest common factor of 24 and 56 is 8.</p> <p><i>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!</i></p>	<p><u>Key vocabulary</u></p> <p>factor common factor multiple greatest common factor</p>
--	--

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  $24 = 8 \times 3$  and  $56 = 8 \times 7$ .

#### 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?