

Key Instant Recall Facts

Year Six – 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>For example, the factors of <u>24</u> are 1, 2, 3, 4, 6, 8, 12, and 24.</p> <p>The factors of <u>56</u> are 1, 2, 4, 7, 8, 14, 28 and 56.</p> <p>The common factors of two numbers are the factors they share. For example, the common factors of <u>24</u> and <u>56</u> are 1, 2, 4 and 8. The greatest common factor of <u>24</u> and <u>56</u> is 8.</p> <ul style="list-style-type: none">Choose 2 other numbers from the times tables. Can your child find the factors, then the common factors and then the greatest common factor?	<p><u>Key Vocabulary</u></p> <p>factor</p> <p>common factor</p> <p>multiple greatest</p> <p>common factor</p>
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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 and putting these in your long term memory is working hard. To help do this, practise little and often. Use little moments of time. Practise these KIRFs while walking to school or during a car journey for example.

You don't need to practise them all at once: perhaps you could start with one particular times table and ensure they know all of them before moving onto another factor.

Working on three facts a day, as it breaks up the memorising.

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 to name the most?

