



Rapid Recall Facts

Year 6 – Term 4

I can quickly identify common factors of a pair of numbers.

By the end of this 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 divide it 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.

Key Vocabulary

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

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these Rapid Recall Facts while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day. Identifying factors (and therefore common factors) quickly relies heavily on the accuracy and speed of times tables knowledge. You may need to continue working on times tables (to 12×12) to further support your child's understanding of factors.

There are many online games to practise finding the greatest common factor, for example <http://www.fun4thebrain.com/beyondfacts/gcfsketch.html>

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