

Year 6 - 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 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.

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

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?

Key Vocabulary

factor

common factor

multiple

greatest common factor