



# Fluency 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 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 highest 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  $56 = 8 \times 7$

#### Key Vocabulary

Factor

Common factor

Multiple

Highest common factor

#### Top Tips

The secret to success is practising little and often. Use time wisely. Can you practise these Fluency Facts while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Online games - Activities on [www.conkermaths.org](http://www.conkermaths.org), [www.timestables.co.uk](http://www.timestables.co.uk), [www.timestables.me.uk](http://www.timestables.me.uk) and <http://www.fun4thebrain.com/beyondfacts/gcfsketch.html>

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

NOTE - We do not expect children to know all the factors of a number instantly but would expect them to be able to work them out within a minute or so for numbers under 100.