



## Key Instant Recall Facts

### Year 6 Autumn Term 2



### **I can identify common factors of a pair of numbers.**

By the end of half term, children should know the following facts. The aim is for them to be able to recall them 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**

#### **Remember:**

**Every number has 1 and itself as a factor.**

**Factors come in pairs:**

**Factors of 18: 1 and 18, 2 and 9, 3 and 6.**

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

Practise little and often. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: have a fact of the day.

There are many online games to practise finding the greatest common factor, for example: [www.topmarks.co.uk/Flash.aspx?a=activity02](http://www.topmarks.co.uk/Flash.aspx?a=activity02)

[http://www.mathplayground.com/factor\\_pair\\_up.html](http://www.mathplayground.com/factor_pair_up.html)

