



## Key Instant Recall Facts Year 6 – Autumn 2

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

By the end of this half term, the 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.

For example,

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.

For example,

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 KIRFs 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.

Play games – Choose two numbers. Take it in turn 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 a 100.