# Key Instant Recall Facts

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

# Vocabulary

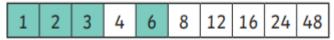| | |
|---|---|
| **Factor** | A number that divides into another number exactly and without leaving a remainder. |
| **Common Factor** | A number that can be divided into two different numbers, without leaving a remainder. |
| **Multiple** | The product of one number being multiplied by another number e.g. 3 x 2 = 6 (6 is a multiple of 3 and 2). |
| **Highest Common Factor (HCF)** | The highest common factor (HCF) is found by finding all common factors of two numbers and selecting the largest one. For example, 8 and 12 have common factors of 1, 2 and 4. The highest common factor is 4. |
| **Prime Number** | A number that is only divisible by 1 and itself (it only has two factors). |

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.
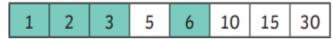
The common factors of two numbers are the factors they share e.g. the common factors of 24 and 56 are 1, 2, 4 and 8.

## Common Factors

Factors of 48

| 1 | 2 | 3 | 4 | 6 | 8 | 12 | 16 | 24 | 48 |
|---|---|---|---|---|---|---|---|---|---|

Factors of 30

| 1 | 2 | 3 | 5 | 6 | 10 | 15 | 30 |
|---|---|---|---|---|---|---|---|

Common factors: 1, 2, 3, 6

## Top tips for learning at home

We will be sending out KIRFs homework weekly but there are lots of activities you could do at home too. When learning key recall facts it is important to do so little but often. Try giving your children two numbers and ask them to list its factors. Ask them which one is the HCF of the two numbers.

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?