Maths - Week 8, Day 1, Monday

**Identify common factors, common multiples and prime numbers**

Use the link to take you to videos to help you with this maths.

<https://www.bbc.co.uk/bitesize/articles/zd8j7nb>

**Information about factors, multiples and prime numbers.**

A factor is a number that divides into another number exactly. To find the common factors of two numbers, you first need to list all the factors of each one and then compare them.

If a factor appears in both lists then it is a common factor.

For example, the factors of 8 are:

1 , 2 , 4 and 8

The factors of 12 are:

1 , 2 , 3, 4 , 6 and 12

Therefore, the common factors of 8 and 12 are:

1 , 2 , and 4

### What is a common multiple

The multiples of a number are all the numbers that it will divide into.

The multiples of 4 are 4 , 8 , 12 , 16 , 20 , 24 , 28 , 32 , 36 , 40 , 44

The multiples of 6 are 6 , 12 , 18 , 24 , 30 , 36 , 42 , 48 , 54 , 60 , 66

12 , 24 , and 36 are multiples of both 4 and 6 and are known as the common multiples of 4 and 6 .

### **Identifying prime numbers**

* A prime number will only have **two**factors.
* A prime number will only be divisible by **1**and by **itself**.

**Now can you complete the activity below?**



