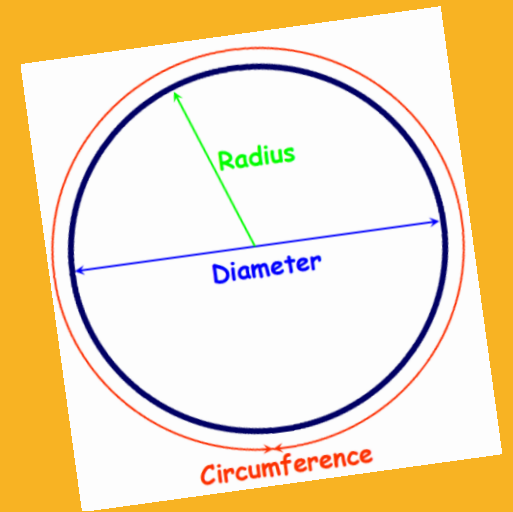


WELCOME TO MATHS



FACTORS & MULTIPLES

FACTORS & MULTIPLES

- What we've learned so far
 - What factors and multiples are
 - How to find common factors and common multiples
 - How to find the highest common factor or lowest common multiple of sets of numbers
 - Investigated prime numbers

FACTORS & MULTIPLES

- **Factors** are whole numbers (only positive ones just now) which multiply together to make another number
 - e.g., *the factors of 12 are 1, 2, 3, 4, 6, 12*
- **Multiples** are what we get by multiplying a number by another whole number (again just positive ones just now)
 - e.g., *the first six multiples of 3 are 3, 6, 9, 12, 15, 18, ...*
 - *the first five multiples of 14 are 14, 28, 42, 56, 70, ...*

FACTORS & MULTIPLES

Factors and Multiples

Longest Chain 11 [Start again](#)

Click on a number to move it between the left and right squares. Numbers in the right grid can be dragged to reorder them. Aim to make the longest possible chain where each number is a factor or a multiple of its predecessor. Each number may be used once only. Chains are bracketed in green. Blue numbers are not part of a chain

The interface consists of two main areas. On the left is a 10x10 grid of pink circles containing numbers from 1 to 100. On the right is a light green rectangular area containing a chain of numbers: 42, 84, 12, 96, 6, 48, 3, 93, 31, 62, and 2. The number 2 is positioned below the others. The numbers in the chain are connected by green brackets, indicating a sequence where each number is a factor or multiple of the previous one.

This is a game for two players. The first player chooses a **positive even number that is less than 50**, and crosses it out on the grid.

The second player chooses a number to cross out. The number must be a **factor** or **multiple** of the first number.

Players continue to take it in turns to cross out numbers, at each stage choosing a number that is a factor or multiple of the number just crossed out by the other player.

FACTORS & MULTIPLES

- Today's activity; *Factors and Multiples Game*
 - Working in pairs, see how long a string of factors and multiples you can make
 - Cross out each number as you use it on the 100 square and record your string of numbers
 - Times table squares available for help

HELP YOUR CHILD WITH MATHS

- Positive attitude
- Language
- Number calculation practise
- Flash cards