Mastering Factors and Multiples with Max the Monkey

Swing into Success: Unlocking the Secrets of Numbers!

■ **A factor is a number that divides into another number exactly, leaving no remainder. For example, 1, 2, 3, 4, 6 and 12 are all factors of 12 because they divide into it perfectly.**

■ **A multiple is the result of multiplying a number by an integer. If you count in steps of 5 (5, 10, 15, 20...), you are listing the multiples of 5.**

■ **Common factors are numbers that appear in the factor lists of two or more different numbers. The highest one is known as the Highest Common Factor (HCF).**

■ **Common multiples are numbers that appear in the times tables of two or more different numbers. The smallest one (excluding zero) is the Lowest Common Multiple (LCM).**

■ **Remember: 1 is a factor of every whole number, but it is not a prime number because it only has one factor!**

Did you know? Did you know? Every number greater than 1 is either a prime number or a composite number. Prime numbers are special because they have exactly two factors: 1 and themselves! Max the Monkey loves to hunt for these, but he knows that finding factors is just like searching for hidden fruit in the jungle canopy.

Key vocabulary: Factor · Multiple · Common Factor · Common Multiple · Prime Number · Composite Number · Product