

Max's Magnificent Multiples and Fabulous Factors

Master the Maths Maze with Max the Monkey – unlock the secrets of numbers!

- A factor is a number that divides into another number exactly, without leaving a remainder. For example, the factors of 12 are 1, 2, 3, 4, 6, and 12.
- A multiple is the result of multiplying a number by an integer. You can think of these as the numbers you find in that number's times table, like 5, 10, 15, 20...
- Factor pairs are two numbers that multiply together to make a specific product. For 20, the pairs are (1, 20), (2, 10), and (4, 5).
- A prime number has only two factors: 1 and itself. Remember, 1 is not a prime number because it only has one factor!
- Common factors are numbers that appear in the factor lists of two or more different numbers. For 8 and 12, the common factors are 1, 2, and 4.

Did you know? Did you know? A 'perfect number' is a special type of number that is equal to the sum of its proper factors (excluding itself). For example, 6 is a perfect number because $1 + 2 + 3 = 6$! Can you find the next one?

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