Give children the opportunity to use the constant facility on a basic calculator to generate and explore patterns in multiples. But be alert to the fact that different calculators do not all use the same logic.

Use rectangular arrays to illustrate the concepts of factor, prime number and composite (rectangular) number.

Teach children some of the ways of testing for various multiples and encourage them to spot various multiples in the world around them. For example, challenge them to find UK telephone area codes that are multiples of each number from 1 to 10 (such as: Kendal, 01539, is a multiple of 9).

Encourage children to be fascinated by number and patterns in number. By exploring the properties of multiples, factors and prime numbers build up children's feel for number and therefore their confidence in responding to numerical situations.

Let children use calculators to find all the factors of various numbers. Use interesting numbers, like your age, the year, the number of children in the school, the school telephone number, perfect squares, prime numbers.