



Mathematics Key Concepts

Concept	Explanation
Number	One of the first mathematical skills is basic number sense. Number sense is the order and value of numbers. A number is a mathematical object used to count. Children develop their understanding of number by investigating how numbers are made and their role in the real world.
Pattern	A pattern is a repeated design or recurring sequence. This could be an ordered set of numbers, shapes or mathematical objects arranged according to a rule.
Shape and Space	Shape and space refers to the properties of objects and the consequences of how these objects are positioned. Space is a set with added structure. Shape is the form of an object and how it is laid out in space.
Measure	Measure is a number that shows the size or amount of something. Usually, the number is in reference to some standard measurement.
Geometry	Geometry is a branch of mathematics concerned with questions of shape, size, relative position of figures and the properties of space.
Statistics	Statistics is the study of collection, analysis, interpretation, presentation and organisation of data.
Algebra	Algebra is a branch of mathematics dealing with symbols and the rules for manipulating those symbols.
Reasoning	Mathematical reasoning is the skill that enables a learner to make use of all other mathematical skills. With mathematical reasoning, mathematics makes sense and can be understood.