



Hillcross Primary School
Parent and Carer's Guide

The Year 1 Mathematician

Working mathematically

By the end of year 1, children will:

- ✓ Begin to solve simple problems involving addition and subtraction in familiar contexts such as going shopping
- ✓ Use a range of hands-on equipment, symbols, images and pictures to support their problem solving
- ✓ Begin to use what they know to tackle problems that are more complex
- ✓ Provide simple reasons for their opinions

Number

By the end of year 1, children will:

Counting and understanding numbers

- ✓ Identify and represent numbers using objects, pictures and models, such as the number line
- ✓ Use 'equal to, more than, less than (fewer), most and least.'
- ✓ Accurately count numbers to, and across, 100 forwards and backwards from any given number with increasing understanding
- ✓ Count, read, write and order numbers in numerals up to 100 and from 1 to 20 in words
- ✓ Identify one more and one less using a number line
- ✓ Can count in multiples of twos, fives and tens

Calculating

By the end of year 1, children will:

- ✓ Understand known addition and subtraction facts within 20, including zero
- ✓ Demonstrate an understanding of multiplication and division through grouping and sharing using hands-on resources, pictorial representations and arrays (2, 5 and 10)
- ✓ Understand doubling and halving small quantities

Fractions

By the end of year 1, children will:

- ✓ Through play and hands-on resources, find and name half and one quarter of objects, shapes and quantities



Measurement

By the end of year 1, children will:

- ✓ Begin to measure using non-standard units (finger widths, blocks etc.) moving to standard units of measure (e.g. cm) using tools such as a ruler, weighing scales and containers
- ✓ Begin to record and compare measurements such as lengths and heights, mass and weight, capacity and volume using language such as long / short; heavy / light; full / half-full/empty
- ✓ Tell the time to the hour, half past the hour and be able to sequence events in chronological order using precise language (for example, before and after, next, first, today etc.).
- ✓ Recognise and know the value of different denominations of coins and notes

Geometry

By the end of year 1, children will:

- ✓ Recognise and name common 2-D shapes, e.g. rectangles (including squares), circles and triangles
- ✓ Recognise and name common 3-D shapes, e.g. cuboids (including cubes, pyramids and spheres) in different orientations and sizes
- ✓ Describe position, direction and movement, including whole, half and three quarter turns

Statistics

In preparation for year 2, children will:

- ✓ Begin to compare, sort and classify information, including through cross curricular links e.g. science – sorting materials into groups according to their properties
- ✓ Begin to construct simple pictograms and tables

Glossary of terms

<http://www.amathsdictionaryforkids.com/dictionary.html>

<http://www.theschoolrun.com/primary-numeracy-glossary-for-parents>

