Descriptors of Performance in Mathematics for Bands 1 and 2

A. Number Dimension

Band 1

The pupil is generally able to read, write and order numbers up to 3 digits and understand the meaning of place value; understand the concepts and simple properties of addition, subtraction and multiplication and perform simple operations with small whole numbers; solve simple problems involving the above in familiar daily life and mathematical contexts.

Band 2

The pupil is generally able to read, write and order numbers up to 5 digits and understand the meaning of simple fractions; understand the concepts of multiples and factors; understand simple properties of the four operations and perform simple mixed operations on small whole numbers; add and subtract fractions with the same denominator; solve simple problems involving the above in familiar daily life and mathematical contexts.

B. Measures Dimension

Band 1

The pupil is generally able to understand the concepts of length; recognize the need to use standard units of measure of lengths, such as centimetre and metre; recognize that measurement is approximate in nature and choose the degree of accuracy appropriate for a particular purpose; recognize common units of time, including minute, hour, day, week, month and year; measure the lengths of simple objects and read the time from a clock and dates from a calendar; solve simple problems involving the above in familiar daily life and mathematical contexts.

Band 2

The pupil is generally able to recognize further units of length and time such as millimetre, kilometre and second; understand the concepts of weight, capacity and temperature and recognize simple units such as gram, kilogram, degree Celsius and litre; solve simple problems involving the above in familiar daily life and mathematical contexts.

C. Shape & Space Dimension

Band 1

The pupil is generally able to recognize intuitively straight lines, curves and parallel lines; recognize and make very simple 2-dimensional and 3-dimensional shapes; solve simple problems involving the above in familiar daily life and mathematical contexts.

Band 2

The pupil is generally able to understand the concept of perimeter and calculate perimeters of rectangles and squares; recognize angles; describe, classify and make simple 2-dimensional and 3-dimensional shapes; recognize and appreciate tessellation/tile patterns; recognize intuitively reflective symmetry in a variety of shapes in 2-dimension and 3-dimension, and make symmetrical shapes; recognize the four basic directions and use common words to describe positions; solve simple problems involving the above in familiar daily life and mathematical contexts

D. Data Handling Dimension

Band 1

The pupil is generally able to collect and classify simple data on topics from the environment; draw simple pictograms using one-to-one representation and make simple interpretation; solve simple problems involving the above in familiar daily life and mathematical contexts.

Band 2

The pupil is generally able to draw block graphs; present and interpret bar charts using up to one-to-ten representation; solve simple problems involving the above in familiar daily life and mathematical contexts

(Remark: Algebra Dimension is not included at this stage)