Basic Competency Descriptors for
Key Stage 1 Mathematics Curriculum

Number Strand

Code	Objectives
5-digit Numbers	
	Students can:
KS1-N1-1	Demonstrate recognition of places (units place to ten thousands place), involving reading, writing and ordering numbers up to 5 digits.
Four Arithmetic Operations	
	Students can:
KS1-N2-1	Perform addition and subtraction of three 3-digit numbers at most, and use the commutative and associative properties of addition (not involving using brackets, performing addition with carry in three steps and performing mixed operations).
KS1-N2-2	Perform multiplication and division of three numbers at most, and use the commutative and associative properties of multiplication, multiplication up to 3-digit numbers by 1-digit numbers, division up to 3-digit numbers by 1-digit numbers (not involving using brackets and performing mixed operations).
KS1-N2-3	Perform mixed operations of: (a) addition and subtraction, involving using brackets; (b) multiplication and addition, multiplication with numbers not greater than 10 (not involving using brackets); and (c) multiplication and subtraction, multiplication with numbers not greater than 10 (not involving using brackets) of three numbers at most.
KS1-N2-4	Solve problems involving four arithmetic operations. Problems of calculation of money in both dollars and cents involve only addition and subtraction and do not involve performing mixed operations.
Fractions	
	Students can:
KS1-N3-1	Demonstrate recognition of fractions as parts of one whole and the diagrams representing equivalent fractions.
KS1-N3-2	Demonstrate recognition of the relationship between fractions and the whole.
KS1-N3-3	Compare the magnitude of fractions with same denominators or same numerators.
KS1-N3-4	Perform addition and subtraction of three fractions with the same denominators at most (not involving performing mixed operations; results of addition must not be greater than 1; minuends in subtraction must not be greater than 1).
KS1-N3-5	Solve problems involving addition and subtraction of fractions with the same denominators that are illustrated by diagrams.

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Measures Strand

Code	Objectives
	Money
	Students can:
KS1-M1-1	Identify the money in circulation in Hong Kong.
KS1-M1-2	Read price tags.
KS1-M1-3	Demonstrate recognition of the use of money in daily life, involving counting notes and coins and exchanging money.
	Length and Distance
	Students can:
KS1-M2-1	Compare directly the lengths of objects and compare directly the distances between objects.
KS1-M2-2	Compare the lengths of objects and compare the distances between objects in improvised units (e.g. a paper clip, a book).
KS1-M2-3	Measure and compare the lengths of objects and measure and compare the distances between objects in "millimetre" (mm), "centimetre" (cm) or "metre" (m).
KS1-M2-4	Compare the lengths of objects and compare the distances between objects in "kilometre" (km).
KS1-M2-5	Estimate the lengths of objects and the distances between objects with finger width, arm length, foot span, finger span, stride length, etc., as "ever-ready rulers".
KS1-M2-6	Measure the lengths of objects and the distances between objects with appropriate tools.
KS1-M2-7	Record the lengths of objects and the distances between objects in an appropriate single unit.
	Time
	Students can:
KS1-M3-1	Demonstrate recognition of the dates and days of a week.
KS1-M3-2	Tell time from an analog clock and a digital clock.
KS1-M3-3	Record the duration of time for different activities in "hours", "minutes" or "seconds" (not involving changing units).
KS1-M3-4	Apply the "24-hour time", involving the interconversion with the "12-hour time".

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Code	Objectives
Weight	
	Students can:
KS1-M4-1	Compare directly the weights of objects.
KS1-M4-2	Compare the weights of objects in improvised units.
KS1-M4-3	Measure and compare the weights of objects in "gram"(g) or "kilogram" (kg).
KS1-M4-4	Measure the weights of objects with appropriate tools.
KS1-M4-5	Record the weights of objects in an appropriate single unit.
Capacity	
	Students can:
KS1-M5-1	Compare directly the capacities of containers.
KS1-M5-2	Compare the capacities of containers in improvised units.
KS1-M5-3	Measure and compare the capacities of containers in "litre" (L) or "millilitre" (mL).
KS1-M5-4	Measure the capacities of containers with appropriate tools.
KS1-M5-5	Record the capacities of containers in an appropriate single unit.

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Shape and Space Strand

Code	Objectives
	3-D Shapes
	Students can:
KS1-S1-1	Identify prisms, pyramids, cylinders, cones and spheres intuitively.
	2-D Shapes
	Students can:
KS1-S2-1	Identify 2-D shapes intuitively, including triangles, quadrilaterals, trapeziums, parallelograms, pentagons, hexagons, squares, rectangles and circles (not involving the inclusion relations between different types of triangles and the inclusion relations between different types of quadrilaterals).
KS1-S2-2	Identify different types of triangles intuitively, including right-angled triangles, isosceles triangles, isosceles right-angled triangles and equilateral triangles (not involving the inclusion relations between different types of triangles).
	Lines
	Students can:
KS1-S3-1	Identify straight lines and curves intuitively; and identify parallel lines and perpendicular lines.
	Angles
	Students can:
KS1-S4-1	Identify right angles, acute angles and obtuse angles.
KS1-S4-2	Compare the sizes of angles.
	Directions and Positions
	Students can:
KS1-S5-1	Describe the relative positions of objects using "over", "under", "left", "right", "in front of", "behind" and "between".
KS1-S5-2	Demonstrate recognition of the four directions: east, south, west and north, involving reading the compass.

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Data Handling Strand

Code	Objectives
	Pictograms
	Students can:
KS1-D1-1	Interpret pictograms with a one-to-one representation.
KS1-D1-2	Construct pictograms using a one-to-one representation.
	Bar Charts
	Students can:
KS1-D2-1	Interpret bar charts with a one-to-one, one-to-two or one-to-five representation.
KS1-D2-2	Construct bar charts using a one-to-one, one-to-two or one-to-five representation.