Math Understood 6
NCP SLO Matching Grid

Students Learning Outcomes		Covered in MU 6
Domain A: Numbers and Operations		
M-06-A01	Identify: factors of numbers up to 3 digits Multiples of numbers up to 2 digits Prime factors of numbers up to 4 digits and express them index notation	 25 - 27 24 - 25 27 - 29
M-06-A02	Identify base and exponent and express numbers given in expanded form in index notation and vice versa	27 - 29
M-06-A03	Find HCF and LCM of two or three numbers (up to 3 digits) using: - prime factorization - division method	29 - 32
M-06-A04	Solve real-life word problems involving HCF and LCM	31 - 32
M-06-A05	Recognise, identify, and represent integers (positive, negative, and neutral integers) and their absolute or numerical value.	9-11
M-06-A06	Arrange a given list of integers and their absolute values in ascending and descending order.	10-12
M-06-A07	Add and subtract up to 2 digits like and unlike integers and verify commutative and associative laws (where applicable).	12 - 14, 17
M-06-A08	Multiply up to 2 digits like and unlike integers and verify commutative, associative and distributive laws.	15 - 18
M-06-A09	Divide like and unlike integers	16
M-06-A10	Recognise the order of operations and use it to solve mathematical expressions involving whole numbers, decimals, fractions, and integers	22 - 23
M-06-A11	Express one quantity as a percentage of another, compare two quantities by percentage and increase or decrease a quantity by a given percentage	43 - 46
M-06-A12	Solve real-life word problems involving percentages	43, 46
M-06-A13	Explain rate as a comparison of two quantities where one quantity is 1	34 - 35

M-06-A14	Calculate ratio of two numbers (up to 3 digits) and simplify ratios	35 - 37
M-06-A15	Explain and calculate continued ratio	38 - 39
M-06-A16	Solve real-life word problems involving ratio and rate	35, 37, 39
M-06-A17	Recognise and calculate square numbers up to 2 digits.	33
M-06-A18	Use language, notation, and Venn Diagrams to represent different types of sets and their elements. (finite, infinite, empty, singleton and universal set)	1 - 8
Domain B: Algebra		
M-06-B-01	Recognise simple patterns from various number sequences Continue a given number sequence and find: term to term rule - position. To term rule	47 - 50
M-06-B-02		
M-06-B-03	Solve real-life word problems involving number sequences and patterns	49, 50
M-06-B-04	Explain the term algebra as an extension of arithmetic, where letters, numbers, and symbols are used to construct algebraic expressions	50, 51
M-06-B-05	Evaluate algebraic expressions by substitution of variables with numerical values	54 - 55
M-06-B-06	Manipulate simple algebraic expressions using addition and subtraction	52, 53
M-06-B-07	Simplify algebraic expressions	55, 56
M-06-B-08	Recognise and construct linear equations in one variable	57 - 62
M-06-B-09	Solve linear equations involving integers, fractions, and decimal coefficients	57 - 62
M-06- B-10	Solve reallife word problems involving linear equations	60 - 62
Domain C: Measurement		
M-06-C-01	Calculate the area of a path (inside or outside) a rectangle or square, parallelogram, triangle and trapezium	78 - 85
M-06-C-02	Solve real-life word problems involving perimeter and area	80-85
M-06-C-03	Calculate the surface area and volume of cube and cuboids	87 - 89
M-06-C-04	Solve real-life word problems involving the surface area and volume of cubes and cuboids	

Domain D: Geometry		
M-06-D-01	Recognise and identify 3-D shapes (i.e., cube, cuboid, cone, cylinder, sphere, hemisphere and cone) with respect to their characteristics	86
M-06-D-02	Reflect an object using grid paper and a pair of compasses and find the line of reflection by construction	72 - 75
M-06-D-03	Identify and differentiate between parallel lines, perpendicular lines, and transversal	64
M-06-D-04	Identify adjacent angles and find unknown angles related to parallel lines and transversals. (corresponding, alternate, and vertically opposite angles)	64 - 65
M-06-D-05	Recognise rotational symmetry, find the point of rotation and order of rotational symmetry	75 - 77
M-06-D-06	Construct angles of specific measures (30°, 45°, 60°, 75°, 90°, 105° and 120°) and bisect angles using a pair of compasses	70 - 72
M-06-D-07	Construct a perpendicular (from a point on the line and outside the line) and a perpendicular bisector	68 - 69
Domain E: Statistics and Probability		
M-06-E01	Draw, read, and interpret horizontal and vertical multiple bar graphs and pie charts (including real life word problems)	94 - 98
M-06-E02	Identify and organise different types of data (i.e., discrete, continuous, grouped and ungrouped)	90 - 91
M-06-E03	Calculate the mean, median, and mode for ungrouped data and solve related real-life word problems	91 - 93
M-06-E04	Explain experiments, outcomes, sample space, events, equally likely events and probability of a single event.	99 -101
	Differentiate the outcomes that are equally likely and not equally likely to occur. (including real-life word problems)	99 - 101

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