Alignment of
International Common Assessment of Numeracy (ICAN-2020)
with Single National Curriculum (SNC-2020 Grades ECE-5)

ICAN-2020 is 100% aligned with SNC-2020 (Grades 1-3)

PREPARED BY: Muhammad Fida Hussain Fida (Academic Coordinator ITA) & Farah Shah (Training Associate ITA)

Key Learning Strands	*SNC 2020 (Grades 1-3) Standards	Benchmarks grade 1-3	Concept and Scope	Grade 1	SNC Page#	Grade 2	SNC Page#	Grade 3	SNC Page#	Domains and Tasks in ICAN	Questions ICAN	
NUMBERS AND OPERATIONS	Identify numbers, ways of representing numbers, comparing numbers and effects of number operations. Compute fluently with fractions, decimals and percentages. Examine real life situations by identifying mathematically valid arguments and drawing conclusion to enhance their mathematical thinking.	Identify, read and write whole numbers up to 10,000.	Concept of Whole Numbers	Count objects up to 9 and represent in numbers. Identify numbers 1–9. Read and write numbers up to 9 in numerals and in words.	15	Read numbers up to 999.	15			NUMBER KNOWLEDGE • Counting, comparing • Number recognition • Operations (without and with regrouping) • Real world problems	Q13	How many birds are there, choose the correct number
											Q15, 20	Recognize 1 digit and 2 digit numbers.
		Add, subtract numbers up to 4-digits. • Develop multiplication tables up to 10. • Multiply number up to 2-digits with 1-digit number. • Recognise and use of division symbol, divide up to 2-digit numbers by 1-digit number. • Solve real life situations involving addition, subtraction, multiplication and division.	Addition of Numbers	Add 2 - digit numbers .	17	Add 2 - digit numbers with 2 - digit numbers with carrying. Solve real life number stories involving addition of 2 - digit numbers with carrying.	17					
			Subtraction of Numbers	Subtract 2 - digit numbers from 2 - digit numbers (which results in positive).	19	Subtract 2 - digit numbers from 2 - digit numbers with borrowing. Solve real life number stories of subtraction up to 3 - digit numbers with borrowing. Analyze simple real-life situations identifying correct operation of addition and subtraction with carrying/borrowing in mixed form.	19, 20	Solve real life number stories involving subtraction.	19		Q 16 - 19 Q 21 - 24 Q 25 - 26	Addition, subtraction, multiplication and division of 2-digit numbers . Q25, 26 word problems.
			Multiplication of Numbers			Develop multiplication tables of 2,3,4, 5 and 10. Tell the multiplication of 10x10. Multiply numbers within multiplication table.	21	Develop multiplication tables for 6, 7, 8, and 9. Multiply 2 - digit numbers by 1 - digit numbers.	20			
			Division of Numbers			Recognize and use the division symbol " ÷ ", divide numbers within the multiplication tables with remainder zero.	21	Divide 2 - digit numbers by 1 - digit numbers (with zero remainder). Solve real life situations involving division of 2 - digit numbers by a 1 - digit numbers.	21			
			Comparing and Ordering	Compare two or more groups of objects in terms of numbers.	16						Q14.	There are four groups of objects given here. Look at them carefully. Which group has the most number of objects?
GEOMETRY AND MEASUREMENT	Identify measurable attributes of objects, construct angles and two-dimensional figures; analyze characteristics and properties of geometric shapes and develop arguments about		Geometry	Identify whether an object is placed inside or outside above or below over or under far or near before or after of a given picture.	30					GEOMETRY • Position & direction • Shapes & figures MEASUREMENT • Length & capacity • Time & calendar	Q1.	In this picture which cat is inside the box?
											Q2.	In this picture which child is farthest from the tree?
		Use language to compare heights/ lengths, masses and capacity of	Measurement of Length	Compare the heights/lengths of two or more objects using following terms: long, longer, longest short, shorter, shortest, tall,	26						Q3	In this picture which is the shortest pencil?

*SNC 2020 (Grades 1-3)				Student Learning Outcomes (SNC-2020 Grades 1-3)						**ICAN 2020		
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GEOMETRY AND MEASUREMENT	their geometric relationships. Examine real life situations by identifying, mathematically valid arguments and drawing conclusion to enhance their mathematical thinking.	different objects.		taller, tallest high, higher, highest.								
			Measurement of Length & Capacity	Distinguish basic shapes by considering their attributes (sides).	30	Make/ complete geometrical patterns on square grid according to one or two of the following attributes • Shape • Size • Orientation.	45	Solve real life situations involving conversion, addition and subtraction of measures of length, mass and capacity.	57		Q 4	Here are 4 balls of the same size. Now look at the box kept next to each ball. If we completely fill each box with the kind of balls shown, which balls will have the most number of balls?
		Read and recognize time.	Time	Read and tell time in hours from the analog clock for example 2 o'clock.	28						Q 7&8	What is the time in this clock?
		Use solar and Islamic calendars to find a particular date/ day.				Use Solar calendar to find a particular date/ day.	28	Read and write days and dates from the calendar.	28		Q 9&10	Look at the calendar and tell, What is the day on 5th march? What is the date on second monday of march?
		Identify and differentiate straight line and curved line.	Geometry			Differentiate between a straight line and a curve. Identify straight lines and curves from the given drawings.	30				Q11	Which of these is a straight line?
		Identify and describe symmetrical shapes.	Geometry	Identify the following basic shapes: Ø rectangle Ø square Ø circle Ø triangle.	30						Q12	Look at these shapes, Which of these is a triangle?
DATA HANDLING	Collect, organize, analyze, display and interpret data/ information. Examine real life situations by identifying mathematically valid arguments and drawing conclusions to enhance their mathematical thinking.	Read, interpret and represent data using Carroll diagram, picture graph and tally charts.	Data Handling					Read and interpret a picture graph.	32	DATA DISPLAY • Retrieving simple information	Q5 , Q6	Look at the chart and answer, how many apples and bananas?

*Single National Curriculum Mathematics, Grade 1-5, Retrieved from http://mofept.gov.pk/SiteImage/Misc/files/SNC%20Mathematics%201-5.pdf

**International Common Assessment of Numeracy, Retrieved from https://palnetwork.org/wp-content/uploads/2020/06/2020_ICAN-Tool_Brochure_EN.pdf