

MATHEMATICS

DAYS	TOPIC	SUB TOPIC	LEARNING OBJECTIVE
1	CH 2 - Fun with numbers	Counting till 500 - numerals and number names	To proficiently count from 1 to 500, utilizing both numerals and number names.
2		Counting till 500 - numerals and number names	identify the numbers from 1 to 500
3		Counting till 999 - numerals and number names	To accurately count from 1 to 999 using both numerals and number names
4		Counting till 999 - numerals and number names	To accurately count from 1 to 999 using both numerals and number names
5		expanding and writing place values	To understand and apply the concept of place value by accurately expanding numbers up to 500 and representing them in written form.
6		Backward counting	To develop proficiency in counting backward from 500 to 1, demonstrating understanding of numerical order and the concept of subtraction.
7		Backward counting	To develop proficiency in counting backward from 500 to 1, demonstrating understanding of numerical order and the concept of subtraction.
8		skip counting	To master skip counting by various intervals (e.g., 2s, 5s, 10s) up to 500, enhancing numerical fluency and understanding of patterns in the number system.
9		Comparing numbers $<$, $>$, $=$	To effectively compare numbers up to 500 using appropriate comparison symbols, developing a deeper understanding of numerical relationships and magnitude.

10		Comparing numbers $<$, $>$, $=$	To effectively compare numbers up to 500 using appropriate comparison symbols, developing a deeper understanding of numerical relationships and magnitude.
11		Ascending and descending order	To proficiently arrange numbers up to 500 in ascending and descending order, enhancing numerical sequencing skills and understanding of number magnitude.
12		Ascending and descending order	To proficiently arrange numbers up to 500 in ascending and descending order, enhancing numerical sequencing skills and understanding of number magnitude.
13		Revision of chapter with miscellaneous exercise	To consolidate understanding of key concepts from the chapter by engaging in a variety of exercises, fostering comprehensive retention and application of learned material.
14		Revision Test of Chapter	To assess and reinforce understanding of key concepts covered in the chapter, facilitating retention and application of learned material
15	CH 3 - Give and Take	Adding numbers by writing them vertically without regrouping	To develop proficiency in adding numbers vertically without regrouping, reinforcing basic addition skills and understanding of place value.
16		Subtracting numbers by writing them vertically without regrouping	To enhance proficiency in subtracting numbers vertically without regrouping, reinforcing fundamental subtraction skills and comprehension of place value.
17		Adding and subtracting numbers without regrouping	To develop fluency in adding and subtracting numbers without regrouping, reinforcing basic arithmetic skills and understanding of numerical operations.
18		Adding and subtracting numbers without regrouping	To develop fluency in adding and subtracting numbers without regrouping, reinforcing basic arithmetic skills and understanding of numerical operations.
19		Solves addition and subtraction problems in different situations presented through pictures and stories	To proficiently apply addition and subtraction strategies in various contexts, including pictorial and narrative representations, enhancing problem-solving skills and comprehension of mathematical concepts.
20		Word Problems related to addition and subtraction	To proficiently apply addition and subtraction strategies in various contexts, including pictorial and narrative representations, enhancing problem-solving skills and comprehension of mathematical concepts.

21		Word Problems related to addition and subtraction	To proficiently apply addition and subtraction strategies in various contexts, including pictorial and narrative representations, enhancing problem-solving skills and comprehension of mathematical concepts.
22		Revision of chapter with miscellaneous exercise	To consolidate understanding of key concepts from the chapter through a diverse range of exercises, fostering comprehensive retention and application of learned material across various problem-solving scenarios.
23		Revision of chapter with miscellaneous exercise	To consolidate understanding of key concepts from the chapter through a diverse range of exercises, fostering comprehensive retention and application of learned material across various problem-solving scenarios.
24		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.
25	CH 5 - Shapes and designs	Identifies 2-D shapes	To accurately recognize and differentiate various 2-D shapes, enhancing spatial awareness and geometric reasoning skills
26		Describes the various 2-D shapes by counting their sides, corners and diagonals.	To develop the ability to characterize 2-D shapes based on their attributes such as sides, corners, and diagonals, fostering deeper understanding of geometric properties and enhancing mathematical reasoning skills.
27		Draws some 3D-objects	To develop the ability to represent three-dimensional objects through drawing, enhancing spatial visualization skills and understanding of geometric shapes and their properties in three-dimensional space
28		Matches the properties of two 2-D shapes by observing their sides and corners (vertices).	To accurately identify and compare the properties of different 2-D shapes based on their sides and vertices, fostering understanding of geometric characteristics and promoting critical thinking skills.
29		Distinguishes between shapes that tile and that do not tile.	To develop the ability to differentiate between shapes that can cover a plane without gaps or overlaps (tiling) and those that cannot, fostering spatial reasoning skills and understanding of geometric concepts related to
30		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
31		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.

32	CH 6 - Fun with give and take	Adding (till place value 100) with carry	To proficiently perform addition operations involving two-digit numbers with carry, enhancing computational skills and understanding of place value concepts.
33		subtracting (till place value hundreds) with borrow	To effectively perform subtraction operations involving three-digit numbers with borrow, strengthening computational skills and understanding of place value concepts.
34		Adding and subtracting numbers with regrouping.	To master the skill of performing addition and subtraction operations involving regrouping, developing proficiency in computational strategies and understanding of place value concepts.
35		Uses the place value in standard algorithm of addition	To accurately apply place value concepts in the standard algorithms for addition and subtraction, enhancing computational proficiency and understanding of numerical operations.
36		Solves addition and subtraction problems in different situations presented through pictures and stories	To effectively apply addition and subtraction strategies in various contexts, including pictorial and narrative representations, fostering problem-solving skills and comprehension of mathematical concepts.
37		Frames problems for addition and subtraction facts	To develop the ability to create meaningful mathematical problems that require the application of addition and subtraction facts, promoting fluency in basic arithmetic operations and enhancing problem-solving skills.
38		Estimates the sum of, and difference between, two given numbers	To develop the ability to estimate the sum and difference of two given numbers, fostering numerical fluency and understanding of approximate calculations.
39		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
40		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
41		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.
42	CH 1 - Where to look from?	to identify views of 3D objects from different point of view	To develop the skill of identifying and interpreting views of 3D objects from various perspectives, enhancing spatial visualization abilities and understanding of three-dimensional geometry.

43		identification as - top view, side view and front view	identification as - top view, side view and front view
44		identification of patterns	To develop proficiency in identifying and analyzing patterns, fostering critical thinking skills and mathematical reasoning abilities across various contexts.
45		making patterns in dot grid	To create patterns on a dot grid, enhancing spatial reasoning skills and promoting creativity and mathematical exploration.
46		making 2D shapes in dot grid	To construct two-dimensional shapes on a dot grid, developing spatial visualization skills and reinforcing understanding of geometric properties and relationships.
47		making mirror half of objects	To accurately create mirror images of objects, developing spatial perception and understanding of symmetry and reflection.
48		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
49		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.
50	CH 7 - Time goes on	Reads a calendar to find a particular day and date.	To effectively read and interpret a calendar to locate specific days and dates, fostering calendar literacy and understanding of chronological concepts.
51		Reads a calendar to find a particular day and date.	To effectively read and interpret a calendar to locate specific days and dates, fostering calendar literacy and understanding of chronological concepts.
52		making of clock and identifying second, minute and hour hands	To construct a clock and accurately identify the second, minute, and hour hands, fostering understanding of time measurement and the components of an analog clock.
53		making of clock and identifying second, minute and hour hands	To construct a clock and accurately identify the second, minute, and hour hands, fostering understanding of time measurement and the components of an analog clock.

54		Reads the time correct to the hour.	To accurately read and tell time to the nearest hour, developing fundamental time-telling skills and understanding of the hour hand on an analog clock.
55		Reads the time correct to the hour and minutes	To accurately read and tell time to the nearest hour and minute, developing comprehensive time-telling skills and understanding of both hour and minute hands on an analog clock.
56		Reads the time correct to the hour and minutes	To accurately read and tell time to the nearest hour and minute, developing comprehensive time-telling skills and understanding of both hour and minute hands on an analog clock.
57		marking the given time in a clock	To accurately mark a given time on a clock, reinforcing understanding of time representation on an analog clock and enhancing time-telling proficiency.
58		marking the given time in a clock	To accurately mark a given time on a clock, reinforcing understanding of time representation on an analog clock and enhancing time-telling proficiency.
59		Sequences the events chronologically.	To sequence events chronologically, developing comprehension of time order and strengthening organizational skills.
60		Sequences the events chronologically.	To sequence events chronologically, developing comprehension of time order and strengthening organizational skills.
61		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
62		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
63		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.
64	CH 9 - How many times?	Explaining the meaning of multiplication (as repeated addition).	To explain the concept of multiplication as repeated addition, fostering understanding of the relationship between addition and multiplication operations.

65	Identification of the sign of multiplication	To identify and understand the significance of the multiplication sign (\times), fostering comprehension of multiplication operations in mathematical expressions.
66	Relates multiplication with skip counting	To relate multiplication to skip counting by recognizing patterns and connections, enhancing understanding of multiplication as a shortcut for repeated addition.
67	Construction of the multiplication tables of 2, 3, 4, 5 and 10	To construct and memorize the multiplication tables of 2, 3, 4, 5, and 10, fostering fluency in basic multiplication facts and promoting computational efficiency.
68	Multiplies two digit numbers using standard algorithm and Lattice multiplication algorithm.	To proficiently multiply two-digit numbers using both the standard algorithm and the lattice multiplication algorithm, promoting computational flexibility and understanding of different multiplication strategies.
69	Multiplication using Lattice Method	To master the Lattice Method for multiplication, enabling efficient computation of multi-digit multiplication problems and reinforcing understanding of place value concepts.
70	Uses multiplication facts in situations and word problems	To apply multiplication facts in various situations and word problems, promoting fluency in multiplication operations and enhancing problem-solving skills.
71	Word problems related to multiplication	To effectively solve word problems involving multiplication, fostering the application of multiplication concepts in real-world contexts and enhancing problem-solving skills.
72	Word problems related to multiplication	To effectively solve word problems involving multiplication, fostering the application of multiplication concepts in real-world contexts and enhancing problem-solving skills.
73	Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
74	Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
75	Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.

76	CH 4 - Long and Short	Introduction to length and height	To introduce the concepts of length and height, fostering understanding of measurement attributes and spatial dimensions.
77		Introduction to non standard units of measuring length	To introduce non-standard units of measuring length, such as paper clips or blocks, fostering understanding of measurement concepts and promoting exploration of measurement tools.
78		Introduction to standards units of measuring length	To introduce standard units of measuring length, such as centimeters, inches, or meters, fostering understanding of measurement systems and promoting the use of appropriate measurement tools.
79		Explain the need of standard units	To understand the importance of standard units of measurement in facilitating accurate and consistent communication of measurements across different contexts and applications.
80		Measures length using appropriate standard units of length by choosing between centimetres and metres.	To measure length using appropriate standard units, choosing between centimeters and meters as suitable units for the given context, fostering understanding of measurement precision and promoting application of
81		Using a ruler to measure	To accurately measure length using a ruler, developing proficiency in using measurement tools and promoting understanding of measurement techniques.
82		Estimates the length of given object in standard units and verifies by measuring	To estimate the length of given objects in standard units and verify accuracy by measuring, fostering estimation skills and promoting understanding of measurement concepts.
83		Relates to cm and m (conversion)	To relate between centimeters and meters, understanding their relationship and converting measurements between the two units, promoting fluency in measurement conversions and enhancing understanding of the metric system.
84		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
85		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
86		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.

87	CH 12 - Can We Share?	Explain the meaning of division from context of equal grouping and sharing.	To explain the concept of division as equal grouping and sharing, fostering understanding of division as a mathematical operation used to distribute quantities equally among groups or individuals.
88		Explain the meaning of division from context of equal grouping and sharing.	To explain the concept of division as equal grouping and sharing, fostering understanding of division as a mathematical operation used to distribute quantities equally among groups or individuals.
89		Relating division with multiplication	To relate division to multiplication by recognizing the inverse relationship between the two operations, fostering understanding of division as the inverse of multiplication and promoting computational fluency.
90		Completing division facts: – by grouping	To complete division facts by grouping quantities into equal groups, reinforcing understanding of division as equal sharing or grouping and promoting fluency in division operations.
91		Completing division facts: – by using multiplication	To complete division facts by using multiplication tables, fostering fluency in division operations and promoting understanding of the relationship between division and multiplication.
92	CH 8 - Who is heavier?	Introduction to weight	To introduce the concept of weight, fostering understanding of mass as a measurement attribute and its significance in various contexts.
93		Weighing objects using non standard Units.	To weigh objects using non-standard units of measurement, such as blocks or hand weights, promoting understanding of weight concepts and developing practical measurement skills.
94		Introduction to standards units of measuring weights	To introduce standard units of measuring weight, such as grams and kilograms, fostering understanding of measurement systems and promoting the use of appropriate measurement tools for weight.
95		importance of standard units to measure weights	To understand the importance of standard units of measurement in accurately and consistently quantifying weights across different contexts and applications.
96		Measures length using appropriate standard units of weight by choosing between kg and g.	To measure weight using appropriate standard units, choosing between kilograms (kg) and grams (g) as suitable units for the given context, fostering understanding of measurement precision and promoting application of
97		Estimates the length of given object in standard units and verifies by measuring	To estimate the weight of given objects in standard units and verify accuracy by measuring, fostering estimation skills and promoting understanding of measurement concepts.

98		Relates to kg and g (conversion)	To relate between kilograms (kg) and grams (g), understanding their relationship and converting measurements between the two units, promoting fluency in weight conversions and enhancing understanding of the metric
99		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
100		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
101		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.
102	CH 10 - Play with patterns	Identification of simple symmetrical shapes and patterns.	To identify simple symmetrical shapes and patterns, fostering recognition of symmetry and enhancing visual perception skills.
103		Making patterns and designs from straight lines and other geometrical shapes.	To create patterns and designs using straight lines and other geometric shapes, fostering creativity, spatial reasoning, and understanding of geometric properties.
104		Identification of patterns in the numerals for odd and even numbers and in adding odd and even numbers.	To identify patterns in the numerals for odd and even numbers, as well as in adding odd and even numbers, fostering recognition of numerical patterns and enhancing understanding of number properties.
105		Partitions a number in different ways and Identification of patterns in surroundings	To partition a number in various ways and identify patterns in the surroundings, fostering problem-solving skills, numerical fluency, and observation abilities.
106		Identification patterns in multiplication with, and dividing by 10s.	To recognize and apply patterns in multiplication and division by multiples of 10, fostering fluency and understanding of place value.
107		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
108		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.

109	CH 11 - Jugs and Mugs	Introduction to the concept of measuring liquids	to introduce students to the basic concepts and skills involved in measuring liquids, including understanding units of measurement, using appropriate tools, and developing accuracy in measurement techniques.
110		Measures and compares the capacity of different containers in terms of non-standard units.	to enable students to measure and compare the capacity of various containers using non-standard units, fostering understanding of volume and capacity concepts.
111		Introduction to standards units of measuring liquids	to introduce students to standard units of measuring liquids (e.g., liters, milliliters), enabling them to understand and apply these units accurately in measurement tasks.
112		importance of standard units to measure liquids	to understand the importance of standard units in accurately measuring liquids for consistency, communication, and precision.
113		Measures length using appropriate standard units of weight by choosing between L and mL	To measure length using suitable standard units of weight (liters and milliliters) by making informed choices between the two based on the context.
114		Estimates the volume of given object in standard units and verifies by measuring	to estimate the volume of a given object using standard units and verify the estimation accuracy through precise measurement.
115		Relates to L and mL (conversion)	to establish a relationship between liters (L) and milliliters (mL), understanding their conversion and application in measuring liquid volume.
116		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
117		Revision of chapter with miscellaneous exercise	To reinforce comprehension and retention of key concepts covered in the chapter through a varied set of exercises, promoting comprehensive understanding and application of learned material across different contexts.
118		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.
119	CH 13 - Smart Charts	Records data using tally marks.	to proficiently record data using tally marks, facilitating efficient data collection and analysis.

120		Collects data and represents in terms of pictograph choosing appropriate scale and unit for display through pictographs.	to gather data and represent it using pictographs, selecting suitable scales and units to effectively convey information visually
121		Draws conclusions from the data	to draw meaningful conclusions from analyzed data, fostering critical thinking and informed decision-making skills.
122		Revision of chapter with miscellaneous exercise	to reinforce understanding and application of concepts covered in the chapter through diverse and varied exercises, promoting comprehensive review and retention.
123		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.
124	CH 14 - Rupees and Paise	Converts Rupee to Paise using play money.	to facilitate understanding of currency conversion by representing Rupees as Paise using play money, promoting hands-on learning and conceptual clarity.
125		Adds and subtracts amounts using column addition, and subtraction without regrouping.	to master addition and subtraction of amounts using column methods, without regrouping, to enhance computational fluency and accuracy.
126		Adds and subtracts amounts using column addition, and subtraction without regrouping.	to proficiently perform addition and subtraction of amounts using column methods, without the need for regrouping, fostering computational skills and accuracy.
127		word problem related to money	to apply addition and subtraction skills in real-life contexts involving money transactions, enhancing financial literacy and problem-solving abilities.
128		Makes rate charts and bills.	to create rate charts and bills, fostering skills in organizing information and calculating costs, thereby enhancing financial literacy and practical application of mathematical concepts.
129		Revision of chapter with miscellaneous exercise	to reinforce understanding and application of concepts covered in the chapter through diverse and varied exercises, promoting comprehensive review and retention.
130		Revision Test of Chapter	To evaluate comprehension and retention of key concepts covered in the chapter, reinforcing learning outcomes and identifying areas for further review or improvement.