

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
First Week	To be able to add ten to any number	Pg 1 to 6	Numbers	<ul style="list-style-type: none"> ➤ To add, subtract, multiply and divide whole numbers. ➤ Solve operations involving combined addition, subtraction, multiplication and division of whole numbers. ➤ Solve word problems involving addition, subtraction, multiplication and division of whole numbers 	<ul style="list-style-type: none"> ❖ Give a number and the children must draw hundreds, tens and ones ❖ Say the value of each digit in a number ❖ Say a number and the children write in words- also paired work ❖ Use dice to make numbers- children write words or values ❖ Paired work- one child will say a number and the other will write ❖ Use digit cards- the teacher says a number and the children must make <ul style="list-style-type: none"> ★ Counting forwards and backwards in tens ★ Change game ★ Stop start ★ Circle game ★ Clap click ★ Ping pong ★ 100 square 	<p>Can understand the place value of digits</p> <p>Can write three and four digit numbers in figures and words</p>	<p>White boards</p> <p>Number cards</p> <p>Dice</p> <p>Digit cards</p> <p>100</p> <p>Square</p>

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
<p>Second Week</p>	<p>To be able to add 100 to any number</p>	<p>Pages 7 to 11</p>	<p>Numbers</p>	<ul style="list-style-type: none"> ➤ To be able to understand the value of digits ➤ To be able to write numbers in figures and words ➤ To be able to give the number before and after a given figure 	<ul style="list-style-type: none"> ❖ Give a number and the children must draw hundreds, tens and ones ❖ Say the value of each digit in a number ❖ Say a number and the children write in words- also paired work ❖ Use dice to make numbers- children write words or values ❖ Paired work- one child will say a number and the other will write ❖ Use digit cards- the teacher says a number and the children must make ❖ Hidden pairs ❖ Find a partner <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ Counting forwards and backwards- in pairs, groups and between the teacher and class ★ Relay race ★ Ping pong ★ Clap click 	<p>Can understand the value of digits</p> <p>Can write numbers in figures and words</p> <p>Can give the number before and after a given figure</p>	<p>Whiteboards</p> <p>Number cards</p> <p>Dice</p> <p>Digit cards</p> <p>100</p> <p>Square</p>

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Third Week	To be able to double a single digit number	Pg 12 to 14	Place Value	<ul style="list-style-type: none"> ➤ To Be able to write one more or one less ➤ Can write numbers in size order ➤ To be able to use < > = correctly 	<ul style="list-style-type: none"> ❖ Counting forwards and backwards from any number ❖ Playing cards (Dhashundamaa) ❖ Ordering numbers ❖ Show a number cards and the children must say the number before and after ❖ Read the story of the Sear Fish ❖ Show mw using < > = ❖ Write their own numbers and put into size order ❖ Paired work on one more and one less <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ Whiteboards for show me ★ Passing number ★ Making the answers with digit cards ★ Clap click ★ Ping Pong ★ Paired work ★ Using digit cards to turn and double ★ Dice to double 	<p>Can write one more or one less</p> <p>Can write numbers in size order</p> <p>Can use < > = correctly</p>	<p>Playing cards</p> <p>Whiteboards</p> <p>Number cards</p> <p>Dice</p>

Test 1.

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Fourth Week	To be able to double two digit number from 11 to 19 by using partition	Pages 15 to 19	Money	<ul style="list-style-type: none"> ➤ To understand the place value of digits ➤ To be able to write three and four digit numbers in figures and words 	<ul style="list-style-type: none"> ❖ Whiteboard work- give the children an amount in ruffiah and ask them to write in ruffiah and laari of just laari ❖ Matching games- hidden pairs, find a partner ❖ Make a shop and convert amounts ❖ Treasure hunt ❖ Relay race ❖ Paired work using whiteboards <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ Whiteboards for show me ★ Passing number ★ Making the answers with digit cards ★ Clap click ★ Ping Pong ★ Paired work ★ Using digit cards to turn and double ★ Dice to double ★ Danger number 	<p>Can understand the place value of digits</p> <p>Can write three and four digit numbers in figures and words</p>	Money Shops Whiteboards Digit cards

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Fifth Week	To be able to add tens and ones mentally	Pages 23 to 28	Addition	<ul style="list-style-type: none"> ➤ To be able add two and three digit numbers using drawing and written sums ➤ To be able to draw the place value of the digits they are adding 	<ul style="list-style-type: none"> ❖ Using number wheels to add numbers ❖ Use real objects to add ❖ Using hundreds tens and ones to add ❖ Using place value grids to teach renaming ❖ Use number cards to add ❖ Use dice to make numbers to add ❖ Treasure hunt ❖ Draw place value of the digits ❖ Paired work- one write and one solve <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ 100 square ★ Magic number lines ★ Whiteboards for show me and paired work ★ Frog in a box ★ Relay race ★ Counting on in their heads ★ Use digit cards to make numbers to add mentally 	<p>Can add two and three digit numbers using drawings and written sums</p> <p>Can draw the place value of the digits they Are reading</p>	<p>Number wheels Real objects Place value grids Number lines 100 square Whiteboards</p>

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Sixth Week	To be able to add tens and ones mentally	Pages 30 to 35	Addition	<ul style="list-style-type: none"> ➤ To be able to add three digit numbers ➤ To be able to add money ➤ To be able to add four single digits in their head 	<ul style="list-style-type: none"> ❖ Using number wheels to add numbers ❖ Use real objects to add ❖ Using hundreds tens and ones to add ❖ Using place value grids to teach renaming ❖ Use number cards to add ❖ Use dice to make numbers to add ❖ Treasure hunt ❖ Draw place value of the digits ❖ Paired work- one write and one solve ❖ Count on from the biggest number ❖ Give notes and coins and see how many different ways they can add <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ 100 square ★ Magic number lines ★ Whiteboards for show me and paired work ★ Frog in a box ★ Relay race ★ Counting on in their heads ★ Use digit cards to make numbers to add mentally 	<p>Can add three digit numbers</p> <p>Can add money up to three digits</p> <p>Can add four single digits in their heads</p>	<p>Number wheels</p> <p>Real objects</p> <p>Place value grids</p> <p>Number lines</p> <p>100 square</p> <p>Whiteboards</p>

Test 2

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Seventh Week	To be able to add three one digit numbers by counting on from the largest	Pages 35 to 40	Addition	<ul style="list-style-type: none"> ➤ To be able to match amounts of money to the written form ➤ Can add money using a written sum ➤ Can answer worded problems on money 	<ul style="list-style-type: none"> ❖ Make shops and add amounts ❖ Make a display about shopping ❖ Give sheets with shop goods and add three values together ❖ Write a word problem about a character ❖ Arrange a word problem in order ❖ Write a word problem and swap with a partner ❖ Paired work- one writes a sum and the other solves <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ Use digit cards- turn three and add ★ Shopping choose three goods and add ★ Teach to look for the biggest number ★ Dice game ★ Number squares- to add the horizontal and vertical numbers 	<p>Can match amounts of money to the written form</p> <p>Can add money using a written sum</p> <p>Can answer worded problems on money</p>	<p>Digit cards</p> <p>Shops</p> <p>Whiteboards</p> <p>Word problems</p> <p>Dice</p> <p>Number squares</p>

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Eighth Week	To be able to recognize the common shapes and their properties	Pages 53 to 56	Shape	<ul style="list-style-type: none"> ★ to be able to recognize the common shapes and their properties ★ To be able to recognize that quadrilaterals have four sides 	<ul style="list-style-type: none"> ❖ Make a shape tree ❖ Read the queen's bed ❖ Read' The three pigs, one wolf and the seven magic shapes ❖ Make tan gram pictures ❖ Do book activities ❖ Use dot paper to draw quadrilaterals ❖ Play guess my shape ❖ The children describe a shape and the others have to guess the shape <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ Describe the shape and guess- guess my shape ★ Paired work- describe and draw ★ Find a partner ★ Match shapes and properties ★ Identify the number of corners, sides and other properties each shape has 	<p>Can recognize the common shapes and their properties</p> <p>Can recognize that quadrilaterals have four sides and four angles</p>	<p>Shapes Books Tan grams Dot paper Whiteboards</p>

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Ninth Week	To be able to take away ten from any number	Pages 41 to 52	Subtraction	<ul style="list-style-type: none"> ➤ To be able to subtract two and three digit numbers ➤ To be able to decide whether to use a mental or written method ➤ To be able to show the value of the digits 	<ul style="list-style-type: none"> ❖ Using number wheels to subtract numbers ❖ Use real objects to subtract ❖ Using hundreds tens and ones to subtract ❖ Using place value grids to teach renaming ❖ Use number cards to subtract ❖ Use dice to make numbers to take away number ❖ Treasure hunt ❖ Draw place value of the digits ❖ Paired work- one write and one solve ❖ Count back from the biggest number ❖ Give notes and coins and see how many different ways they can subtract <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ Counting forwards and backwards in tens ★ Change game ★ Stop start ★ Circle game ★ Clap click ★ Ping pong ★ 100 square 	<p>Can subtract two and three digit numbers</p> <p>Can decide whether to use a written or mental method</p> <p>To be able to show the value of the digits</p>	<p>Number wheels</p> <p>Real objects</p> <p>Hundreds, tens and ones</p> <p>Dice</p> <p>Place value grids</p> <p>Notes and coins</p>

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Tenth Week	To be able to take away 100 from any number	Pages 47 to 52	Subtraction	<ul style="list-style-type: none"> ➤ To be able to subtract three digit numbers ➤ To be able to answer written sums on subtraction ➤ To be able to subtract money 	<ul style="list-style-type: none"> ❖ Using number wheels to subtract numbers ❖ Use real objects to subtract ❖ Using hundreds tens and ones to subtract ❖ Using place value grids to teach renaming ❖ Use number cards to subtract ❖ Use dice to make numbers to take away number ❖ Treasure hunt ❖ Draw place value of the digits ❖ Paired work- one write and one solve ❖ Count back from the biggest number ❖ Give notes and coins and see how many different ways they can subtract <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ Counting forwards and backwards- in pairs, groups and between the teacher and class ★ Relay race ★ Ping pong ★ Clap click 	<p>Can subtract three digit numbers</p> <p>Can answer written sums involving subtraction</p> <p>To be able to subtract money</p>	<p>Number wheels</p> <p>Real objects</p> <p>Hundred s, tens and ones</p> <p>Dice</p> <p>Place value grids</p> <p>Notes and coins</p>

Week	Mental Maths	Pages	Syllabus Aim	Objectives	Activities	Assessment	Teaching Aids
Eleventh Week	To be able to add 100 to any number	Pages 61 - 68	Perimeter	<ul style="list-style-type: none"> ➤ To know that the perimeter is the distance all around the outside of a flat shape ➤ To be able to measure perimeter using thread and a ruler ➤ To be able to calculate perimeter in whole centimeters 	<ul style="list-style-type: none"> ➤ Take the children out and get them to walk around the outside of shapes, e.g. stage, flower beds, classrooms, slide- you can get them to count the number of footsteps taken ➤ Get the children to use their fingers to show you the perimeter of shapes such as their books pencil cases desk etc ➤ Give the children shapes or objects and get them to use thread to measure the perimeter ➤ Have a competition. The teacher shows an object and the groups estimate the perimeter. The group nearest wins a point ➤ Give the children squared paper and ask the children to draw shapes with a perimeter of 12 or 15. ➤ Do paired work where each person draws a shape with straight lines and swaps with their partner who measures it's perimeter ➤ Drawing objects of a given perimeter ➤ Measuring classroom objects <p>MENTAL AMTHS</p> <ul style="list-style-type: none"> ➤ Counting on and backwards in groups ➤ Change game ➤ Clap click ➤ Ping pong ➤ Place value chart to identify which digit changes ➤ Dice ➤ Digit cards ➤ Number cards 	<p>Know that the perimeter is the distance all around the outside of a flat shape</p> <p>Can measure perimeter using thread and a ruler</p> <p>Can calculate perimeter in whole centimeters</p>	<p>Shapes</p> <p>Objects</p> <p>Thread</p> <p>Squared paper</p> <p>rulers</p>

Week	Mental Maths	Pages	Syllabus Aim	Objectives	Activities	Assessment	Teaching Aids
Twelfth Week	To be able to find halves of a given number	Pages 109 - 119	Fractions	<ul style="list-style-type: none"> ➤ To understand that a fraction is part or parts of a whole ➤ To be able to recognize what the denominator and the numerator mean ➤ Be able to draw given fractions ➤ Be able to order fractions into size order ➤ Be able to find equivalent fractions <p>Be able to add fractions</p> <p>Test 5</p>	<ul style="list-style-type: none"> ➤ Give strips of paper and get them to fold to make halves, quarters, sixths, eighths, tenths etc ➤ Get them to label each equal part. Put them up on display so that children can see their relative size ➤ Bring in food items and divide into fractions ➤ Use squared paper for the children with outlines around twelve squares. The children must find as many different ways to colour $\frac{1}{2}$ ➤ Give the children 2 fractions with a common denominator- draw and add on their whiteboards ➤ For adding fractions draw roshi etc to split into the correct number of fractions and colour the correct number of parts ➤ Fraction board ➤ Find a partner ➤ Find the correct fraction cards ➤ Fraction strips ➤ Cutting up wholes into $\frac{1}{2}$'s and $\frac{1}{4}$'s <p>MENTAL MATHS</p> <ul style="list-style-type: none"> ➤ Investigate numbers you can halve with counters upto twenty ➤ Whiteboards for show me ➤ Paired work- one says and the other draws ➤ Relay race ➤ Matching cards ➤ Equal and unequal fractions 	<p>Understand that a fraction is part or parts of a whole</p> <p>Can recognize what the denominator and the numerator mean</p> <p>Can draw given fractions</p> <p>Can order fractions into size order</p> <p>Can find equivalent fractions</p> <p>Can add fractions</p>	<p>Strips of paper</p> <p>Food items to partition</p> <p>Squared paper</p> <p>Whiteboards</p>

Week	Mental Maths	Pages	Syllabus Aim	Objectives	Activities	Assessment	Teaching Aids
Thirteenth Week	To be able to add 100 to any number	Pages 68 to 85	Multiplication	<ul style="list-style-type: none"> ➤ To know that multiplication is groups of a number ➤ To be able to read and draw groups of a given number ➤ To know their 2, 3, 5, 10 times tables 	<ul style="list-style-type: none"> ➤ Play tables games such as disappearing tables, fizz buzz, gunfighter, guess my rule ➤ Use whiteboards to show that multiplication is repeated addition. You give a sum and they give you the repeated addition ➤ Give the children counters and ask them to make into groups to find the answers ➤ Give the children photocopies of groups- ask the children to write the sum to go with the groups ➤ Take the class out and see how many groups of 2, 3, 4, 5etc they can make with the children in the class ➤ In pairs one child writes the sum and the other draws and solves ➤ Relay race ➤ Treasure Hunt ➤ Dice ➤ Circle Ball throw ➤ Pointing finger <p>MENTAL MATHS</p> <ul style="list-style-type: none"> ➤ Clap click ➤ Fizz buzz ➤ Ping pong ➤ Paired work with a whiteboard ➤ Dice ➤ Digit cards ➤ Writing numbers in the air ➤ Action game 	<p>Know that multiplication is groups of a number</p> <p>Read and draw groups of a given number</p> <p>Know their 2, 3, 5, 10 times tables</p>	<p>Whiteboards</p> <p>Counters</p> <p>Dice</p> <p>Digit cards</p> <p>Sum cards</p>

Week	Mental Maths	Pages	Syllabus Aim	Objectives	Activities	Assessment	Teaching Aids
Fourteenth Week	To be able to add 100 to any number	Pages 85 - 93	Multiplication	<ul style="list-style-type: none"> ➤ To know that multiplication is groups of a number ➤ To be able to read and draw groups of a given number ➤ To know their 2, 3, 5, 10 times tables ➤ To be able to answer word problems on multiplication 	<ul style="list-style-type: none"> ➤ Children have numbers from the three times table- ask them to get into order ➤ Have a washing line or a number line and get the children to jump along the line in two's or three's ➤ Play tables games such as disappearing tables, fizz buzz, gunfighter, guess my rule ➤ Count forwards and backwards in twos and threes ➤ Write word problems about groups of hedhikha or fruit using the objects in the shops ➤ Look at and write problems about five-aside football <p>MENTAL MATHS</p> <ul style="list-style-type: none"> ➤ Clap click ➤ Fizz buzz ➤ Ping pong ➤ Paired work with a whiteboard ➤ Dice ➤ Digit cards ➤ Writing numbers in the air ➤ Action game ➤ True or false 	<p>Know that multiplication is groups of a number</p> <p>Read and draw groups of a given number</p> <p>Know their 2, 3, 5, 10 times tables</p> <p>To be able to answer word problems on multiplication</p>	<p>Number line</p> <p>Fruit or hedhikha pictures</p> <p>Dice</p> <p>Digit cards</p>

Week	Mental Maths	Pages	Syllabus Aim	Objectives	Activities	Assessment	Teaching Aids
Fifteenth Week	To know that division is the inverse of multiplication	Pages 94 - 101	Division	<ul style="list-style-type: none"> ➤ To understand that division is the number of groups of a number in a total ➤ To be able to find and draw groups in a given number 	<ul style="list-style-type: none"> ➤ Play tables games- with whiteboards get the children to give you the division fact they know from the times table fact that you have given them ➤ Use whiteboards to show that division is repeated subtraction- you give a sum and the children write the repeated subtraction ➤ Give the children counters or cubes and ask them to make groups from a given number ➤ Take the children out and ask them to make a given number of groups and count to solve ➤ In pairs one gives a sum and the other must draw and solve ➤ Divide the children in the class into groups ➤ Play relay race ➤ Divide real objects into groups <p>MENTAL MATHS</p> <ul style="list-style-type: none"> ➤ Whiteboard work- give a sum and the children must give you the other multiplication and division facts they know ➤ Paired work ➤ Roll two dice and multiply then give division facts ➤ Hidden pairs ➤ Dominoes 	<p>Understand that division is the number of groups of a number in a total</p> <p>Find and draw groups in a given number</p>	<p>Whiteboards Dominoes Counters Dice Cubes Number cards Real objects</p>

Week	Mental Maths	Pages	Syllabus Aim	Objectives	Activities	Assessment	Teaching Aids
Sixteenth Week	To know that division is the inverse of multiplication	Pages 102 - 108	Division	<ul style="list-style-type: none"> ➤ To understand that division is the number of groups of a number in a total ➤ To be able to find and draw groups in a given number ➤ To know that multiplication and division are inverses ➤ To be able to answer one step word problems 	<ul style="list-style-type: none"> ➤ Play tables games- with whiteboards get the children to give you the division fact they know from the times table fact that you have given them ➤ Use whiteboards to show that division is repeated subtraction- you give a sum and the children write the repeated subtraction ➤ Give the children counters or cubes and ask them to make groups from a given number ➤ Take the children out and ask them to make a given number of groups and count to solve <p style="text-align: center;">In pairs one gives a sum and</p> <p>MENTAL MATHS</p> <ul style="list-style-type: none"> ➤ Whiteboard work- give a sum and the children must give you the other multiplication and division facts they know ➤ Paired work ➤ Roll two dice and multiply then give division facts ➤ Hidden pairs ➤ Dominoes 	<p>Understand that division is the number of groups of a number i</p> <p>Can find and draw groups in a given number</p> <p>Know that division is the opposite of multiplication</p> <p>Can answer one step word problems using division</p>	<p>Whiteboards Dominoes Counters Dice Cubes Number cards Real objects</p>

Week	Mental Maths	Pages	Topic	Objectives	Activities	Assessment	Teaching Aids
Seventeenth Week	To be able to add tens and ones mentally	Pages 20 to 22	Ordinal Numbers	<ul style="list-style-type: none"> ➤ To be able to write the ordinal numbers to 99 ➤ To be able to order the ordinal numbers 	<ul style="list-style-type: none"> ❖ Have races and order the contestants ❖ Counting as a class and in pairs ❖ Ordering the assembly line ❖ Give ordinal number cards and order ❖ Spelling activities ❖ True or false ❖ Ordering their day- what did they do first and second <p style="text-align: center;">Games</p> <ul style="list-style-type: none"> ★ Number square ★ Number line ★ Ping pong ★ Clap click ★ Danger number ★ Using number cards ★ Paired work using whiteboards 	<p>Can write the ordinal number to 99</p> <p>Can order the ordinal numbers to 99</p>	<p>Ordinal number cards</p> <p>Number squares</p> <p>Number lines</p> <p>Whiteboards</p>

MATHEMATICS / GRADE -3
Assessment Schedule

#	Week	Date	Topic	Marks
1	03 rd week	31 st January	Numbers and Place value	10
2	06 th week	21 st February	Money and Addition	15
3	08 th week	06 th March	Addition and Shapes	15
4	10 th week	27 th March	Subtraction	15
5	12 th week	10 th April	Perimeter and Fraction	15
6	14 th week	24 th April	Multiplication	15
7	16 th week	08 th May	Division	15