

Mathematics |

5224

Syllabus outline for grade – 4

ACD[2.2E][DR]

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SYLLABUS INFORMATION

Textbook Talking Numbers Mathematics Book 4

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Developed by [AFSS Team]

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Weekly period allocation table for 1st Term.

FIRST TERM [65 periods]	March 17 teaching periods	W1	Week:2/52 Teaching Week:1/30 5 periods	Week:3/52 Teaching Week: 2/30 5 periods	Week: 4/52 Teaching Week: 3/30 5 periods	Week: 5/52 Teaching Week: 4/30 2 periods
	April 22 teaching periods	Week:5/52 Teaching Week:4/30 3 periods	Week:6/52 Teaching Week: 5/30 5 periods	Week: 7/52 Teaching Week: 6/30 5 periods	Week: 8/52 Teaching Week: 7/30 5 periods	Week: 9/52 Teaching Week: 8/30 4 periods
	May 6 teaching periods	Week: 9/52 Teaching Week: 8/30 1 periods	Week 10 First Mid Term Exams	Week 11 First Mid Term Exams	Week:12/52 Teaching Week: 9/30 5 periods	Week 13 Summer Vacation
	June	Week 14 Summer Vacation	Week 15 Summer Vacation	Week 16 Summer Vacation	Week 17 Summer Vacation	Week 18 Summer Vacation
	July	Week 18 Summer Vacation	Week 19 Summer Vacation	Week 20 Summer Vacation	Week 21 Summer Vacation	Week 22 Summer Vacation
	August 16 teaching periods	Week:23/52 Teaching Week: 10/30 5 periods	Week:24/52 Teaching Week: 11/30 5 periods	W25 Sports Week	Week:26/52 TeachingWeek:12/30 5 periods	Week:27/52 TeachingWeek:13/30 1 periods
	September 4 teaching periods	Week:27/52 TeachingWeek:13/30 4 periods	W 28 Revision Week	W29 Examinations	W30 Examinations	



Weekly period allocation table for 2nd Term

SECOND TERM [85 periods]	OCTOBER 20 teaching periods	Week: 31/52	TeachingWeek:14/30 Week: 32/52 5 periods	TeachingWeek:15/30 Week: 33/52 5 periods	TeachingWeek:16/30 Week: 34/52 5 periods	TeachingWeek:17/30 Week: 35/52 5 periods
	NOVEMBER 21teaching periods	TeachingWeek:18/30 Week: 35/52 5period	TeachingWeek:19/30 Week:36/52 5 periods	TeachingWeek:20/30 Week:37/52 5 periods	TeachingWeek:21/30 Week:38/52 5 periods	TeachingWeek:22/30 Week:39/52 1 periods
	DECEMBER 19 teaching periods	TeachingWeek:22/30 Week:40/52 4 periods	TeachingWeek:23/30 Week:41/52 5 periods	TeachingWeek:24/30 Week:42/52 5 periods	TeachingWeek:25/30 Week:43/52 5 periods	Week 44 Winter Vacation
	JANUARY 20 teaching periods	Week 44 Winter Vacation	TeachingWeek:26/30 Week:45/52 5 periods	TeachingWeek:27/30 Week:46/52 5 periods	TeachingWeek:28/30 Week:47/52 5 periods	TeachingWeek:29/30 Week:48/52 5 periods
	FEBRUARY 5 teaching periods	TeachingWeek:30/30 Week:49/52 5 periods	Week 50 Revision week	Week51 Examinations	Week 52 Examinations	



FIRST TERM | UNITS OR CHAPTER DISTRIBUTION WITHIN 13 WEEKS OF THIS TERM.

March	Week1	W2 [1/13 1/30] Unit#1, The numbers system. Page# 6-14	W3 [2/13 2/30] Unit#1, The numbers system. Page# 15-21	W4 [3/13 3/30] Unit#1, The numbers system. Unit#2 Addition and subtraction. Page# 6-28	W5 [4/13 4/30] Unit#2 Addition and subtraction. Unit#3, Multiplication Page# 31-38
April	W5 [4/13 4/30] Unit#2 Addition and subtraction. Unit#3, Multiplication Page# 31-38	W6 [5/13 5/30] Unit#3, Multiplication Page# 39-46	W7 [6/13 6/30] Unit#3, Multiplication Unit#4, Division Page# 48-52	W8 [7/13 7/30] Unit#4, Division Page# 53-59	W9 [8/13 8/30] Unit#4, Division Page# 52-63
May	W9 [8/13 8/30] Unit#4, Division Page# 52-63	W10 First Mid Term Examination	W11 First Mid Term Examination	W12 [9/13 9/30] Unit#5, Four operations. page#64-72	W13 Summer Vacations
JUNE	W14 Summer Vacations	W15 Summer Vacations	W16 Summer Vacations	W17 Summer Vacations	W18 Summer Vacations
July	W 18 Summer Vacations	W 19 Summer Vacations	W 20 Summer Vacations	W 21 Summer Vacations	W 22 Summer Vacations
August	W23 (10/13 10/30) Unit#5, Review of four operations. Unit #6, Factors and multiples page#65-82	W24 (11/13 11/30) Unit #6, Factors and multiples page#83-91	W25 Sports Week	W26 (12/13 12/30) Unit #6, Factors and multiples page# 83-99	W27 (13/13 13/30) Unit#1, The numbers system to Unit #6, Factors and multiples. (Revision and test).Page# 6-99
September	W27 (13/13 13/30)	W28 Revision Week	W29 Examination	W30 Examination	



SECOND TERM | UNITS OR CHAPTER DISTRIBUTION WITHIN 17 WEEKS OF THIS TERM.

OCTOBER	W 31	W 32 [1/17 14/30] Unit#7,Fractions page# 101-106	W33 [2/17 15/30] Unit#7,Fractions page# 101-115	W34 [3/17 16/30] Unit#7,Fractions page# 108-121	W35 [4/17 17/30] Unit#8, Decimal numbers page#122-130
NOVEMBER	W36 [5/17 18/30] Unit#8, Decimal numbers. page# 130-139	W37 [6/17 19/30] Unit#8, Decimal numbers. Unit#1-8, Review and revision. page#140-153	W38 [7/17 20/30] Unit#9, Units of measurement page#154-161	W39 [8/17 21/30] Unit#9, Units of measurement Unit#10, Time page#154-168	W40 [9/17 22/30] Unit#10,Time Unit#11, Money page#171-181
DECEMBER	W40 [9/17 22/30] Unit#10,Time Unit#11, Money page#171-181	W41 [10/17 23/30] Unit#11,Money Unit#12, Geometry of shapes. page#182-191	W42 [11/17 24/30] Unit#12, Geometry of shapes. page#190-200	W43 [12/17 25/30] Unit#12, Geometry of shapes. page# 200-205	W44 Holidays
JANUARY	W44 Holidays	W45 [13/17 26/30] Unit#13, Graphs page# 206-213	W46 [14/17 27/30] Unit#13,Graphs Unit#14,Algebra Unit# 9-14, Review and Revision. Page#206-221	W47 [15/17 28/30] Unit# 9-14, Review and Revision. Page# 117- 224	W48 [16/17 29/30] Unit# 8, Decimal numbers. To Unit#10, Time Page# 125- 176
FEBRUARY	W49 [17/17 30/30] Unit#11, Money as used in daily . to Unit# 9-14, Review and Revision. Page# 177- 229	W50 Revision Week	W51 Examination	W52 Examination + PTM Result of annual examination	



PERIOD ALLOCATION TABLE

PUNJAB, KPK AND BALUCHISTAN REGIONS

SUBJECT	PERIODS PER WEEK	PERIODS PER ANNUM	DURATION
English I to VIII	5	150	40 min
Mathematics I to VIII			
Urdu I to VIII			
Science I to VIII			
Social Studies I to VIII	4	120	
Computers I to VIII	3	90	
Islamiyat I to VIII			
Art & Activity I to VIII			

SINDH REGION

SUBJECT	PERIODS PER WEEK	PERIODS PER ANNUM	DURATION
English I to VIII	5	150	40 min
Mathematics I to VIII			
Urdu I to VIII			
Science I to VIII			
Social Studies I to VIII	4	120	
Computers I to VIII	3	90	
Islamiyat I to VIII			
Sindhi + Art & Activity I to VIII	2+1	60+30	



PLANNING WEEK

1 /13 1 /30

THIS IS OUR NEW TEACHING WEEK. PLAN IT CAREFULLY. FILL OUT THE FIELDS TO IMPLEMENT IT EFFECTIVELY.

SUBJECT CODE
5224

Mathematics Class-4 40 min		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#1, The Number system.					
	Week 1	[150]	TOPIC/CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS		
		1.	The number system.	Page# 6-7		<ul style="list-style-type: none"> ●Revision of the concepts of units, tens, hundreds, thousands and ten thousand by fill in the blanks and practicing few sums (Q 1 and 2.) ●Write down given numbers in digits and words. 		
		2.	The next number.	Page# 8-9		<ul style="list-style-type: none"> ●Understanding of place value and writing numbers in digits. ●Write the place value of 9 in blanks in Q1. ●Find the place value of 9 in Q 2. 		
		3.	The next number.	Page# 10		<ul style="list-style-type: none"> ●Understanding and solution of Q 3, 4 and 5. ●writing the place value of each digit of given numbers and fill in the blanks. ●Understanding and writing the numbers in expanded form. 		
		4.	The next number.	Page# 11-12		<ul style="list-style-type: none"> ●Understanding the skip counting and complete the number chain. ●Understanding of South Asian Numbers system through example. 		
		5.	The next number.	Page# 13-14		<ul style="list-style-type: none"> ●Understanding and solution of the sums of practice C: (Q1,2, and 3). 		

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PLANNING WEEK

2 /13 2 /30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#1, The Number system.				WORKBOOK OR ACTIVITY CONTENTS	
Week 2		[150]	TOPIC CONTENT & PAGE NUMBER					
		6.	Comparing Numbers.	Page#15-17	<ul style="list-style-type: none"> Understanding of comparing numbers through examples. 			
		7.	Practice D.	Page#18	<ul style="list-style-type: none"> Understanding and solution of Q 1&2. Understand, compare and write, <, >, = in the blanks. Arrange each group of numbers in descending order. 			
		8.	Practice D.	Page#19	<ul style="list-style-type: none"> Understanding and solution of Q 3 to 6. Arrange each group of numbers in ascending order. understanding of predecessor and successor by practicing the sums. 			
		9.	Practice D and Practice E.	Page# 20-21	<ul style="list-style-type: none"> Write the skip counting by 50, 500 and 1,000 to make the number chain of Q7. Explanation and understanding of even and odd numbers by practicing Q 1: 			
		10.	Practice E.	Page#21	<ul style="list-style-type: none"> Understanding and Solution of Q 2 & 3: Identify the ascending closest odd number and write the next 3 odd numbers. Make five different even and odd numbers which are greater than 50,000 and less than 100,000. 			

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PLANNING WEEK

3 /13 **3** /30

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SUBJECT CODE
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Mathematics		Class-4 40 min		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods	
5 periods p/w 150 p/a						II	Oct-Mar	17 weeks	14 to 30	85 periods	
MONTH	WEEK	PN	Unit#1, The Number system. Unit#2, Addition and Subtraction.								
	Week 3	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS				
		11.	The Number system.	page# 6-21		●Assessment: Test of few sums of exercises of Unit#1, The Number system.					
		12.	Rounding-off to nearest 10.	page# 22-24		●Understanding of rounding off nearest 10 through examples and solution of Q: 1 of rounding off nearest 10 by drawing a number line.					
		13.	Rounding-off to nearest 100 and 1000.	page# 25		●Understanding and solution of Q: 1 & 2 of rounding off nearest 100, 1000 by drawing a number line.					
		14.	Addition and Subtraction. Practice A.	page# 26-27		●Revise the addition and subtraction sentences by practicing few sums of Q 1, 2 & 3.					
		15.	Input and Output Tables.	page# 28		●Understanding of input and output tables by completing the output of given tables.					

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PLANNING WEEK

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Mathematics Class-4 40 min		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods		
5 periods p/w 150 p/a				II	Oct-Mar	17 weeks	14 to 30	85 periods		
MONTH	WEEK	PN	Unit#2, Addition and Subtraction. Unit#3, Multiplication							
April	Week 4	[150]	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS				
24-April-17	28-April-17	16.	Addition and Subtraction in another way.		page#29-31		●Understanding of addition sentences through examples. ●Complete the addition and subtraction sentences of Q 1&2.			
		17.	Missing digits.		page# 32-33		●Fill in the missing digits in the given addition and subtraction sums.			
		18.	Read and solve.		Page #33-34		●Understanding and Solution of addition and subtraction word problems.			
		19.	Addition and Subtraction patterns over increasing place value.				page# 34-35		●Understanding of addition and subtraction patterns over increasing place value by fill in the blanks.	
		20.	Multiplication. Practice A and B.		Page#37-38		●Understanding and solution of exercise A and B.●Understanding and completing the patterns of multiplication.			

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PLANNING WEEK

5 /13 5 /30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#3, Multiplication.				WORKBOOK OR ACTIVITY CONTENTS	
May	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER					
1 st –May-17	05-May-15	21.	Practice C:	Page# 39	●Revise the multiplication sums.			
		22.	Word Problems.	Page#40	●Understanding and solution of the word problem about multiplication.			
		23.	Multiplication of 3-digit or 4-digit multiplicand.	Page #41-42	●Understanding and Solution of sums of the three-digit multiplicand with 1-digit multiplier.			
		24.	Word Problems.	Page#43	●Understanding and solution of the word problem about multiplication.			
		25.	Multiplication with 2-digit or 3-digit multiplicand and 2-digit multiplier.	Page #44-46	●Understanding and Solution of examples of the three-digit multiplicand with 1-digit multiplier.			

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PLANNING WEEK

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Mathematics		Class-4 40 min		TERM INFORMATION					
5 periods p/w 150 p/a				I	Apr-Sep	13 weeks	1 to 13	65 periods	
				II	Oct-Mar	17 weeks	14 to 30	85 periods	
MONTH	WEEK	PN	Unit#3, Multiplication. Unit#4, Division						
May	Week 2	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS		
08-May-17	12-May-17	26.	Practice E:	page#48		<ul style="list-style-type: none"> Understanding and solution of the few sums of multiplication. Write the questions in vertical form and find their product of Q 1: 			
		27.	Practice E:	page#48		<ul style="list-style-type: none"> Using place value partitioning method to find the product of Q 2: Fill in the blanks of Q 3. 			
		28.	Read and solve.	Page# 49		<ul style="list-style-type: none"> Understanding and solution of word problems about multiplication. 			
		29.	Division with (Practice A):	page#50-51		<ul style="list-style-type: none"> Revise the division by practicing few sums. 			
		30.	Division with 10, 100, 1,000	page#52		<ul style="list-style-type: none"> Understanding of division with 10, 100, 1,000 by practicing the sums of Q1. 			

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PLANNING WEEK

7 /13 7 /30

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Mathematics		Class-4 40 min		TERM INFORMATION				
5 periods p/w 150 p/a				I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	unit#4, Division					
May	Week 3	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
15-May-17	19-May-17	31.	Division (Practice C).	Page# 53		<ul style="list-style-type: none"> ●Revision and Test of the tables from 2 to 10. ●Understanding of quotient, divisor, dividend and remainder by practicing the sums of Q1: 		
		32.	Dividing by place value partitioning method.	Page#54-55		<ul style="list-style-type: none"> ●Understanding and solution of the sums of Q1: Divide by place value partitioning method. 		
		33.	Read and solve.	Page# 56		<ul style="list-style-type: none"> ●Understanding and solution of word problems about division. 		
		34.	Division with 3 or 4 digit dividend(practice D).	page#57-59		<ul style="list-style-type: none"> ●Understanding and Solution of division sums of the 3 and 4-digit dividend. 		
		35.	Division with 3 or 4 digit dividend(practice D).	page# 59		<ul style="list-style-type: none"> ●Understanding and solution of word problems about division. 		

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PLANNING WEEK

8 /13 8 /30

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SUBJECT PERIODS	Class-4 40 min		TERM INFORMATION	I	Apr-Sep	13 weeks	1 to 13	65 periods
MONTH	WEEK	PN	unit#4, Division	II	Oct-Mar	17 weeks	14 to 30	85 periods
May	Week 4	[150]	TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS			
22-May-17	26-May-17	36.	Division	page# 52-59		●Test of few sums of division through work sheet.		
		37.	Division with 2, 3 or 4-digit dividend and 2-digit divisor.	page#60- 62		●Understanding and solution of division sums of Q1: division with 2, 3 or 4-digit dividend and 2-digit divisor.		
		38.	Read and solve:	page#62		●Understanding and solution of word problems about division.		
		39.	Read and solve:	page#63		●Understanding and solution of word problems about division.		
		40.	Division with 2, 3 or 4-digit dividend and 2-digit divisor to Read and solve.	page# 62-63		Test of few sums of division.		

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PLANNING WEEK

9 /13 9 /30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#5, Four Operations.					
June		Week 1	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS		
29-May-17	2-June-17	41.	Commutative property.	Page#64-66		<ul style="list-style-type: none"> ●Revise the four operations +, -, x and ÷ through examples. ●Revise the commutative property of addition and multiplication by completing the given sentences of Q1. 		
		42.	Associative property.	Page# 67-68		<ul style="list-style-type: none"> ●Understanding of associative property of addition and multiplication by completing the given sentences of Q1. 		
		43.	Practice C.	Page# 69		<ul style="list-style-type: none"> ●Understanding and completion of the mathematical sentences by using commutative and associative property of Q1. 		
		44.	Order of Operations using DMAS Rule.	Page# 70-71		<ul style="list-style-type: none"> ●Understanding of DMAS through examples. 		
		45.	Order of Operations using DMAS Rule.	Page#72		<ul style="list-style-type: none"> ●Understanding of DMAS by solving sums of Q1. 		

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PLANNING WEEK

10/13 10/30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#5, Four Operations. Unit#6, Factors and multiples.					
August		Week 3	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
15-Aug-17	18-Aug-17	46.	Four Operations.	Page#65-72		●Test of few sums of Unit#5, four operations through work sheet.		
		47.	Practice E: Read and solve.	Page# 74-75		●Understanding and solution of word problems.		
		48.	Estimation and Rounding off.	Page# 77-78		●Understanding the rounding off nearest 10, 100 and 1000 by drawing the number line and solve the Q1:		
		49.	Estimation and Rounding off.	Page# 79		●Understanding and solution of the word problems of estimations.		
		50.	Factors and multiples.	Page#80-82		●Revise the division by solution of Q 1 and 2.		

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PLANNING WEEK

11/13 **11/30**

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Mathematics		Class-4 40 min		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods	
5 periods p/w 150 p/a						II	Oct-Mar	17 weeks	14 to 30	85 periods	
MONTH	WEEK	PN	Unit#6, Factors and multiples.								
August	Week 4	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS				
21-Aug-17	25-Aug-17	51.	Practice B.	Page# 83-84		●Introduction and Explanation of factors and multiples by practicing Q 1 and 2.					
		52.	Practice B.	Page#85		●Understanding and solution of Q 3, 4 and 5.					
		53.	Prime and composite numbers.	Page#86-87		●Understanding of prime and composite numbers by definition and examples. ●Write the prime and composite numbers in the table.					
		54.	Prime factorization.	Page#88-89		●Understanding of prime factorization through examples and Q1. ●Draw factor trees to show the prime factors of the given numbers.					
		55.	Prime factorization and Highest common factor.	Page#90-91		●Understanding of common factor and Highest common factor by prime factorization through examples and sums.					

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PLANNING WEEK

12/13 12/30

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Mathematics		Class-4 40 min		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods	
5 periods p/w 150 p/a						II	Oct-Mar	17 weeks	14 to 30	85 periods	
MONTH	WEEK	PN	Unit#6, Factors and multiples.								
August	Week	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS				
28-Aug-17	1 st -sep-17	56.	Factors and multiples.		Page# 83-91		●Test of few sums of Unit#6, Factors and multiples.				
		57.	Prime factorization and least common multiple.		Page#92-94		●Understanding of common factors, uncommon factors and least common multiple by prime factorization through examples and sums of Q1.				
		58.	Prime factorization and least common multiple.		Page# 94-96		●Find the L.C.M of the given numbers of the Q2: ●Understanding and solution of the HCF and LCM by listing factors and multiples of the given numbers of Q1:				
		59.	Highest common factor-least common multiple by listing of factors and multiples (practice G).		Page#96		●Find the HCF and LCM of the given numbers of Q2 and3.				
		60.	Making use of HCF and LCM.		Page#97-99		● Understanding and solution of the word problems about HCF and LCM.				

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PLANNING WEEK

13/13 13/30

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Mathematics		Class-4 40 min		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods	
5 periods p/w 150 p/a						II	Oct-Mar	17 weeks	14 to 30	85 periods	
MONTH	WEEK	PN	Unit#1, The Number system to Unit#6, Factors and multiples.								
September	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS				
04-sep-15	08-sep-15	61.	The Number system to addition and subtraction. Page# 06--36				●Revision and Test of few sums the Number system and addition and subtraction.				
		62.	Multiplication.		Page# 37-51		●Revision and Test of few sums the Multiplication.				
		63.	Division		page#52-65		●Revision and Test of few sums division.				
		64.	Four operations.		Page# 66-79		●Revision and Test of few sums Four operations.				
		65.	Factors and multiples.		Page# 80-100		●Revision and Test of few sums Factors and multiples.				

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PLANNING WEEK

1 /17 14/30

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Mathematics		Class-4 40 min		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a						II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit #7, Fractions							
October	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER						WORKBOOK OR ACTIVITY CONTENTS	
02-Oct-17	06-Oct-17	66.	Fractions		Page# 101-102				<ul style="list-style-type: none"> ●Revision of the like and unlike fractions through examples. ●Understanding of mixed , proper and improper fractions through examples and Q1: 	
		67.	Writing mixed numbers as improper fractions.		Page# 102-103				<ul style="list-style-type: none"> ●Understanding and solution of Q 1 & 2 converting mixed numbers into improper fractions and improper fraction to mixed numbers. 	
		68.	Practice B:		Page# 103-104				<ul style="list-style-type: none"> ●Understanding and solution of Q 3 & 4 converting mixed numbers into improper fractions and improper fraction to mixed numbers. 	
		69.	Addition and Subtraction of mixed numbers with same denominators.		Page# 104				<ul style="list-style-type: none"> ●Understanding and solution of the sums of addition and subtraction of mixed numbers with same denominator by practicing Q1: 	
		70.	Equivalent fractions.		Page# 105-106				<ul style="list-style-type: none"> ●Understanding of equivalent fractions by multiplying or dividing the numerator and denominator with the same number in Q1 and2: 	

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PLANNING WEEK

2 /17 15/30

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SUBJECT CODE
5224

Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit #6, Fractions					
October	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS			
09-Oct-17	13-Oct-17	71.	Equivalent fractions. Page# 101-106		●Test of few sums of Unit #6, Fractions through work sheet.			
		72.	Missing numbers in equivalent fractions. Page #108		●Fill in the missing numerator or denominator in the equivalent fractions by multiplying and dividing in Q 1 and 2.			
		73.	Addition and subtraction of like fractions with reducing fraction to simplest form. Page#109-110		●Adding and subtracting of like fractions with reducing fractions to simplest form by practicing Q 1:			
		74.	Addition and subtraction of unlike fractions with reducing fraction to simplest form. Page#111-113		●Adding and subtracting of unlike fractions with reducing fraction to simplest form by practicing G Q 1:			
		75.	Addition and subtraction of unlike fractions by taking LCM. Page#115		●Understanding and solution of Q 1and 2 of addition and subtractions of unlike fractions by taking LCM.			

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PLANNING WEEK

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit #6, Fractions.		TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS	
October	Week 2	[150]						
16-Oct-17	20-Oct-17	76.	'Missing numbers in equivalent fractions' to 'Addition and subtraction of unlike fractions by taking LCM'. Page#108-115				●Test of few sums of equivalent fractions to addition and subtraction of unlike fractions by taking LCM through work sheet.	
		77.	Word Problems. Page# 117				●Understanding and solution of word problems.	
		78.	Multiplication of fractions. Page# 118-120				●Understanding of the commutative property of fractions and division of the fractions by the whole number. ●Understanding and solution of Q1 and2.	
		79.	Reciprocal of a fraction and a whole number. Page# 121				●Understanding of the reciprocal of the fraction and match each fractions to the whole number.	
		80.	Word Problems to Reciprocal of a fraction and a whole number. Page# 117-121				●Test of few sums of Word Problems to Reciprocal of a fraction and a whole number.	

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PLANNING WEEK

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit #8, Decimal numbers.					
October	Week 3	[150]	TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS			
23-Oct-17	27-Oct-17	81.	Decimal numbers.	Page# 122-124	<ul style="list-style-type: none"> Recall that decimals are special fractions with denominators 10 or multiple of 10. Practice A: Writing the fractions, decimal numbers in digits, in words and mark these decimals on the number line. 			
		82.	Decimal in hundredth place.	Page# 125-127	<ul style="list-style-type: none"> Understanding of decimal in hundredth place and drawing on number line. Fill in the missing decimal numbers on the number lines. (Q:1 and 2) 			
		83.	Decimal in hundredth place.	Page# 127-128	<ul style="list-style-type: none"> Understanding and solution Q 3,4 and5. Write the decimal numbers in expanding form and use the number line to compare, write true or false. Arrange the given groups of decimals numbers from smallest to the biggest. 			
		84.	Decimal in thousandth place.	Page# 128-130	<ul style="list-style-type: none"> Understanding of decimal in thousandth place and drawing on number line. Understanding and solution Q 1 and 2. Write the decimal numbers in expanding form. Arrange the given groups of decimals numbers from biggest to the smallest. 			
		85.	Decimal in hundredth place to Decimal in thousandth place.	Page# 125-130	<ul style="list-style-type: none"> Test of few sums of decimal in hundredth place to decimal in thousandth place. 			

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PLANNING WEEK

5 /17 18/30

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SUBJECT PERIODS	Class-4 40 min		TERM INFORMATION					
			I	Apr-Sep	13 weeks	1 to 13	65 periods	
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit #8, Decimal numbers.					
October	Week 4	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
30-Oct-17	03-Nov-17	86.	Equivalent decimal numbers.	Page# 130-132		<ul style="list-style-type: none"> Understanding and writing the equivalent decimal numbers for given decimal numbers. Draw lines to match the decimal number with correct fraction. 		
		87.	Practice E.	Page# 132		<ul style="list-style-type: none"> Understanding and solution of Exercise: Convert the decimal numbers into mixed numbers. • convert the mixed numbers into decimals. 		
		88.	Comparing decimals and fractions to Addition and subtraction of decimal numbers	Page# 133-135		<ul style="list-style-type: none"> Compare and fill in the blanks with <, >, =. Add and subtract the decimal numbers. 		
		89.	Read and solve:	Page# 135-136		<ul style="list-style-type: none"> Understanding and solution of the word problems. 		
		90.	Multiplication and division with decimal numbers.	Page# 138-139		<ul style="list-style-type: none"> Understanding and solution of Q 1 and 2. Multiply the decimal numbers. Understanding and solution of the word problems. 		

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6 /17 19/30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit #8, Decimal numbers. Unit#1-8 Review and revision.					
November		Week 1	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
06-Nov-17	10-Nov-17	91.	Decimal numbers.	Page# 140-141		●Understanding of multiplication and division of decimal numbers with 10, 100 and 1000 by practicing i and j.		
		92.	Review and revision.	Page# 142-144		●Revision and the test of few sums of work pages of review and revision.		
		93.	Review and revision.	Page# 145-147		●Revision and the test of few sums of work pages of review and revision.		
		94.	Review and revision.	Page# 148-150		●Revision and the test of few sums of work pages of review and revision.		
		95.	Review and revision.	Page# 151-153		●Revision and the test of few sums of work pages of review and revision.		

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#9, Units of measurements.					
		[150]	TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS			
13-Nov-17	17-Nov-17	96.	Units of measurements. Page# 154-156		●Revise and learn the units of measuring length, volume and weight.			
		97.	Addition and subtraction of units of measurement. page# 157		●Understanding and solution of the sums (Q:1) of addition and subtraction of units of measurement. ●Convert all the quantities from bigger units to smaller units by fill in the blanks.			
		98.	Addition and subtraction of units of measurement. page# 158		●Convert all the quantities from smaller units to bigger units by fill in the blanks. Page#158			
		99.	Practice B. Page# 159		●Understanding and solution of Q 1.			
		100.	Read and solve. Page# 160-161		●Understanding and solution of the word problems.			

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PLANNING WEEK

8 /17 21/30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#9, Units of measurements. & Unit#10, Time					
November		Week 3	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS		
20-Nov-17	24-Nov-17	101.	Units of measurements.	Page# 154-160		●Test of few sums of units of measurements.		
			Read and solve.	Page#161		●Understanding and solution of the word problems. Page#161		
		102.	Time.	Page# 162-164		●Revise the topic time by some activities.		
		103.	Elapsed Time.	Page# 165-166		●Understanding of the departure and arrival timing by practicing A.		
		104.	Conversion of Units of time.	Page# 167-168		●Understanding of the Elapsed Timing by practicing A: Q 2.		
		105.	Fraction of time.	Page# 168		●understanding and explanation of the Topic: Converting units of time. 1 mint=60 sec and 1 sec=1/60 mints & 1 hour =60mints & 1mint =1/60 hr by practicing few sums.		
						●understanding and explanation of the Topic: Fraction of time. 1 year=12 months and 1 months =30 days. & 1 week = 7 days, 1hr=60 mints and 1 mint = 60 seconds by practicing few sums.		

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PLANNING WEEK

9 /17 22 /30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods	
				II	Oct-Mar	17 weeks	14 to 30	85 periods	
MONTH	WEEK	PN	Unit#10, Time Unit#11, Money as used in daily life.						
November		Week 4	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS		
27-Nov-17	1 st -Dec-17	106.	Practice D.	Page#171		<ul style="list-style-type: none"> Understanding and solution of the sums of Q 1 and 2 addition and subtraction of the units of time. 			
		107.	Read and solve.	Page# 172-173		<ul style="list-style-type: none"> Understanding and solution of the word problems of time. 			
		108.	Money (Practice A).	Page# 174-176		<ul style="list-style-type: none"> Understanding of the money used in daily life through examples and solution of Q1,2. •Rounding off the money to the nearest 10,100, and 1000. Arrange the money in descending order. 			
		109.	Buying and selling Money across the border.	Page# 177-179		<ul style="list-style-type: none"> Understanding and solution of the word problems of time about buying and selling. Understanding of the money used in different countries. 			
		110.	Practice B.	Page# 180-181		<ul style="list-style-type: none"> Understanding and solution of the word problems. 			

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PLANNING WEEK

10/17 23/30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#11, Money, Unit#12, Geometry of shapes.		TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS	
December	Week 1	[150]						
04-Dec-17	08-Dec-17	111.	Money as expenditure and saving.	Page# 182-183	<ul style="list-style-type: none"> Understanding and completing the table. Find expenditure, money and savings. 			
		112.	Buying, selling, cost price and selling price, profit and loss.	Page# 184-185	<ul style="list-style-type: none"> Understanding and find the profit and loss of the Q 1: 			
		113.	Geometry of shapes.	Page# 186-189	<ul style="list-style-type: none"> Understanding and measurement of angle with protector using inner and outer row of the protector. 			
		114.	Practice A:	Page# 190-191	<ul style="list-style-type: none"> Solution of Q 1:page#190 Read the size of the angle in the given figures and write the answer in the blank. Solution of Q 2:page#191 Draw the angles of given measurements using protector. 			
		115.	Types of angles. Practice B:	Page#191	<ul style="list-style-type: none"> Define and explain the acute, obtuse, Right and straight line angles. Measure the given angles as acute, obtuse, Right and straight line angles. 			



PLANNING WEEK

11/17 24/30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods	
				II	Oct-Mar	17 weeks	14 to 30	85 periods	
MONTH	WEEK	PN	Unit#12, Geometry of shapes.						
Jan	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS		
01-Jan-18	05-Jan-18	116.	Types of angles.	Page#190-191		●Test of few sums of Practice A and Practice B.			
		117.	Parallel, intersecting and perpendicular lines.	Page#192-193		●Understanding and explanation of the parallel, intersecting and perpendicular lines. ●Understanding and solution of the Q 1 and 2:			
		118.	Closed shapes and polygons.	Page#194-195		●Understanding of the polygons shapes through exercise and solution of practice E.			
		119.	Types of triangles. Construction of the square and rectangle.	Page#196-198		●Understanding of the Right, acute, obtuse angled triangle and measure interior angles of the given triangles. ●Understanding and construction of the square and rectangle through examples and Q1.			
		120.	Perimeter and Area.	Page#198-200		●Define and explain the perimeter, Area, through examples and Find the perimeter and area of the given polygons.			

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PLANNING WEEK

12/17 25/30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#12, Geometry of shapes.		TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS	
January	Week 2	[150]						
08-Jan-18	12-Jan-18	121.	Area and Perimeter of the square and rectangle. Page#200-201				<ul style="list-style-type: none"> Understanding of the area and Perimeter of the square and rectangle through formula and examples. Find the area and the perimeter of the given figures. 	
		122.	Finding the length of a square and rectangle (when area is known). page# 201-202				<ul style="list-style-type: none"> Understanding of the finding the length of a square and rectangle (when area is known) through Q1. Understanding and solution of Q 1 of practice K. 	
		123.	Circle, radius and diameter.	Page# 203-204			<ul style="list-style-type: none"> Define and explain the circle, radius and diameter through examples. Measure and write the radius and diameter of the given circles. 	
		124.	Plane and 3D shapes and volume of the cube and cuboid. Page# 204-205				<ul style="list-style-type: none"> Define and explain the 3D shapes and write the names of 3D shapes. Understanding of finding the volume of cube and cuboid by practicing Q1. 	
		125.	Geometry of shapes.	Page# 196-205			<ul style="list-style-type: none"> Test of the few sums of geometry of shapes. 	

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PLANNING WEEK

13 /17 26 /30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#13, Graphs					
January	Week 3	[150]	TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS			
15-Jan-18	19-Jan-18	126.	Bar graph and line graph.	Page#206-207	<ul style="list-style-type: none"> Understanding and explanation of bar graphs and line graphs. Understanding the line graph and bar graph and fill in the blanks. 			
		127.	Drawing of Bar graph and line graph.	Page#207-209	<ul style="list-style-type: none"> Understanding and drawing of bar and line graph with given information in Q 1 and 2. 			
		128.	Drawing of Bar graph and line graph.	Page#209-210	<ul style="list-style-type: none"> Understanding and drawing of bar and line graph with given information in Q 3 and 4. 			
		129.	Mean, median and mode	Page#210-211	<ul style="list-style-type: none"> Understanding of the mean, median and mode through formula and examples. Find the mean, median and mode of the Q 1 (a, b, c and d parts). 			
		130.	Practice B.	Page#212-213	Understanding and solution of Q 2, 3 and 4. <ul style="list-style-type: none"> Find the average numbers of toy cars in each group. Find the median of each sets of numbers by arranging them. Find the mode of each sets of numbers by arranging them. 			

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PLANNING WEEK

14/17 27/30

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Mathematics	Class-4 40 min	TERM INFORMATION	I	Apr-Sep	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a			II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#13, Graphs , Unit#14 Algebra , Units 9-14, Review and Revision				
January	Week 4	[150]	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS	
22-Jan-18	27-Jan-18	131.	Graphs	Page#206-213		●Test of few sums of graphs.	
		132.	Probability	Page#213-214		●Explanation and understanding of the Probability,equal chance, impossible, likely, unlikely, certain events and fill in the blanks with most suitable words of Q 1.	
		133.	Numeric Patterns	Page#215		●Write down the next 5 numbers according to the given pattern.	
		134.	Using alphabets to write expressions.	Page#216-219		●Understanding of algebra through examples and Practice A (Q 1 , 2 and3).	
		135.	Review and Revision.	Page#220-221		●Revision and Test of work pages of review and revision.	

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Mathematics	Class-4 40 min	TERM INFORMATION	I	Apr-Sep	13 weeks	1 to 13	65 periods
5 periods p/w 150 p/a			II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Units# 9-14, Review and Revision, Unit#7 Fractions.				
Feb	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER		TOPIC CONTENT & PAGE NUMBER		
30-Jan-18	02-Feb-18	136.	Review and Revision	Page#223-224	●Revision and Test of work pages of review and revision.		
		137.	Review and Revision	Page#224-227	●Revision and Test of work pages of review and revision.		
		138.	Review and Revision	Page#228-229	●Revision and Test of work pages of review and revision.		
		139.	Fractions	Page#101-116	●Test of few sums of Fractions through work sheet.		
		140.	Fractions	Page#117-124	●Test of few sums of Fractions through work sheet.		

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PLANNING WEEK

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION		I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit# 8, Decimal numbers to Unit#10, Time.				WORKBOOK OR ACTIVITY CONTENTS	
Feb	Week 2	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
06-Feb-18	09-feb-18	141.	Unit# 8,Decimal numbers	page#125-130	●Test of few sums of Decimal numbers through work sheet.			
		142.	Unit# 8,Decimal numbers	page#131-141	●Test of few sums of Decimal numbers through work sheet.			
		143.	Unit# 1-8, Review and Revision.	page#142-154	●Test of few sums of Review and Revision through work sheet			
		144.	Unit#9, Units of measurements.	page#155-164	●Test of few sums of units of measurements through work sheet.			
		145.	Unit#10, Time.	Page#165-176	●Test of few sums of time through work sheet.			

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PLANNING WEEK

17/17 30/30

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Mathematics Class-4 40 min 5 periods p/w 150 p/a		TERM INFORMATION				
		I	Apr-Sep	13 weeks	1 to 13	65 periods
		II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	Unit#11, Money as used in daily life to Units 9-14, Review and revision			
February		[150]	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS
12-Feb-18	16-Feb-18	146.	Unit#11, Money as used in daily life	Page#177-186	●Test of few sums of Money through work sheet.	
		147.	Units#12,Geometry of shapes	Page#187-195	●Test of few sums of geometry of shapes through work sheet.	
		148.	Units#13,Geometry of shapes	Page#196-206	●Test of few sums of geometry of shapes through work sheet.	
		149.	Units#13,Graphs & Units#14, Algebra	page#207-219	●Test of few sums of Graphs and Algebra through work sheet	
		150.	Units 9-14, Review and revision	page#220-229	●Test of few sums of Review and revision through work sheet.	

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