

# Math | 5227

## Syllabus outline for grade – VII

ACD[2.2G][DR]

Air Foundation School System  
92, Street 6, G-8/2, Islamabad

### SYLLABUS INFORMATION

**Textbook** Countdown Level Seven Maths (New Edition)

**Author** [name of author]

**Publisher** Oxford University Press

**ISBN** 978-0-19-579884-5

**Developed by** AFSS Team

**Affiliation** employee  outsource

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FIRST TERM Mathematics 7 [65 periods]	APRIL 20 teaching periods	Teaching Week 1 1-13 (1/30)   5 periods	Teaching Week 2 2-13 (2/30)   5 periods	Teaching Week 2 3-13 (3/30)   5 periods	Teaching Week 4 4-13 (4/30)   5 periods
	MAY 20 teaching periods	Teaching Week 5 5-13 (5/30)   5 periods	Teaching Week 6 6-13 (6/30)   5 periods	Teaching Week 7 7-13 (7/30)   5 periods	Teaching Week 8 8-13 (8/30)   5 periods
	JUNE	Week 9 <b>Holidays</b>	Week 10 <b>Holidays</b>	Week 11 <b>Holidays</b>	Week 12 <b>Holidays</b>
	JULY	Week 13 <b>Holidays</b>	Week 14 <b>Holidays</b>	Week 15 <b>Holidays</b>	Week 16 <b>Holidays</b>
	AUGUST 20 teaching periods	Teaching Week 17 9-13 (9/30)   5 periods	Teaching Week 18 10-13 (10/30)   5 periods	Teaching Week 19 11-13 (11/30)   5 periods	Teaching Week 20 12-13 (12/30)   5 periods
	SEPTEMBER 5 teaching periods	Teaching Week 21 13-13 (13/30)   5 periods	Week 22 <b>Revision Work</b>	Week 23 <b>Examinations</b>	Week 24 <b>Examinations</b>
SECOND TERM Mathematics 7 [85 periods]	OCTOBER 20 teaching periods	Teaching Week 25 1-17 (14/30)   5 periods	Teaching Week 26 2-17 (15/30)   5 periods	Teaching Week 27 3-17 (16/30)   5 periods	Teaching Week 28 4-17 (17/30)   5 periods
	NOVEMBER 20 teaching periods	Teaching Week 29 5-17 (18/30)   5 periods	Teaching Week 30 6-17 (18/30)   5 periods	Teaching Week 31 7-17 (20/30)   5 periods	Teaching Week 32 8-17 (21/30)   5 periods
	DECEMBER 10 teaching periods	Teaching Week 33 9-17 (22/30)   5 periods	Teaching Week 34 10-17 (23/30)   5 periods	Week 35 <b>Holidays</b>	Week 36 <b>Holidays</b>
	JANUARY 20 teaching periods	Teaching Week 37 11-17 (24/30)   5 periods	Teaching Week 38 12-17 (25/30)   5 periods	Teaching Week 39 13-17 (26/30)   5 periods	Teaching Week 40 14-17 (27/30)   5 periods
	FEBRUARY 15 teaching periods	Teaching Week 41 15-17 (28/30)   5 periods	Teaching Week 42 16-17 (29/30)   5 periods	Teaching Week 43 17-17 (30/30)   5 periods	Week 44 <b>Revision Work</b>
	MARCH	Week 45 <b>Revision Work</b>	Week 46 <b>Examinations</b>	Week 47 <b>Examinations</b>	Week 48 Holidays



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

APRIL	W1 [1/13   1/30] Numbers Page No. 1 - 4	W2 [2/13   2/30] Numbers Page No. 5 - 9	W3 [3/13   3/30] Numbers Page No. 10 - 15	W4 [4/13   4/30] Numbers Page No. 16 - 23
MAY	W5 [5/13   5/30] Number Page No. 24 - 30	W6 [6/13   6/30] Numbers Page No. 31-34	W7 [7/13   7/30] Numbers Page No. 35 - 39	W8 [8/13   8/30] Numbers Page No. 40 - 42
JUNE	W9 Holidays	W10 Holidays	W11 Holidays	W12 Holidays
JULY	W13 Holidays	W14 Holidays	W15 Holidays	W16 Holidays
AUGUST	W17 [9/13   9/30] Arithmetic Page No. 43 - 48	W18 [10/13   10/30] Arithmetic Page No. 49 - 53	W19 [11/13   11/30] Arithmetic Page No. 54 - 59	W20 [12/13   12/30] Arithmetic Page No. 60 - 62
SEPTEMBER	W21 [13/13   13/30] Revision/Test Paper Page No. 63	W22 Revision Work	W23 Examinations	W24 Examinations



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

OCTOBER	W25 [1/17   14/30] Algebra Page No. 64 - 68	W26 [2/17   15/30] Algebra Page No. 69 - 75	W27 [3/17   16/30] Algebra Page No. 76 - 80	W28 [4/17   17/30] Algebra Page No. 81 - 85
NOVEMBER	W29 [5/17   18/30] Algebra Page No. 96 - 92	W30 [6/17   19/30] Geometry Page No. 93 - 98	W31 [7/17   20/30] Geometry Page No. 99 - 103	W32 [8/17   21/30] Geometry Page No. 104 - 109
DECEMBER	W33 [9/17   22/30] Geometry Page No. 110 - 114	W34 [10/17   23/30] Geometry Page No. 115 - 119	W35 Holidays	W36 Holidays
JANUARY	W37 [11/17   24/30] Geometry Page No. 120 - 125	W38 [12/17   25/30] Geometry Page No. 126 - 128	W39 [13/17   26/30] Mensuration Page No. 129 - 135	W40 [14/17   27/30] Mensuration Page No. 136 - 142
FEBRUARY	W41 [15/17   28/30] Statistics Page No. 143 - 149	W42 [16/17   29/30] Statistics Page No. 150 - 151	W43 [17/17   30/30] Revision Work	W44 Revision Work
MARCH	W45 Revision Work	W46 Examinations	W47 Examinations	W48 Holidays



## 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**

SUBJECT CODE

**5227**

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

Mathematics		Class-VII   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	NUMBERS: RECAPITULATION					
			TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
April	Week 1	[150]						
30-Mar-15	03-Apr-15	1.	Recapitulation: Sets	Page No. 1		Question No. 1 – 4 on Page No. 1		
		2.	Numbers	Page No. 1		Question 5 – 19 on Page No. 2		
		3.	Arithmetic	Page No. 2		Question No. 20 – 29 on Page No. 3		
		4.	Algebra	Page No. 3		Question 30 – 35 on Page No. 4		
		5.	Geometry	Page No. 4		Question No. 36 – 40 on Page No. 4		

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**PLANNING WEEK**

**2 /13 2 /30**

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

Mathematics		Class-VII   40 min		TERM INFORMATION				
PERIODS				I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	NUMBERS					
				TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS	
April	Week 2	[150]						
06-Apr-15	10-Apr-15	6.	Operations on sets	Page No. 5		Learn about sets and symbols on Page No. 5		
		7.	Operation on Sets	Page No. 6		Exercise 1a, on Page No. 6		
		8.	Equivalent Sets: Operation on Sets	Page No. 6, 7		Learn about operation on Sets on Page No. 7		
		9.	Differences of Sets	Page No. 8		Exercise 1b, on Page No. 9		
		10.	Sets	Page No. 9		Exercise 1b on Page No. 9		

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**PLANNING WEEK**

**3 /13 3 /30**

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

Mathematics		Class-VII   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	NUMBERS					
			TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
April	Week 3	[150]						
13-Apr-15	17-Apr-15	11.	Rational Numbers	Page No. 10	Learn about Rational Numbers on Page No. 10			
		12.	Rational Numbers on The Number Line	Page No. 11	Learn using number line on Page No. 11			
		13.	Rational Numbers	Page No. 12	Exercise 2a, on Page No. 12			
		14.	Operation on Rational Numbers	Page No. 13	Learn about rational numbers on Page No. 13			
		15.	Operation on Rational Numbers	Page No. 14, 15	Learn about operations on Page No. 14, 15			

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**PLANNING WEEK**

**4 /13 4 /30**

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

Mathematics		Class-VII   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	NUMBERS							
			TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS			
April	Week 4	[150]								
20-Apr-15	24-Apr-15	16.	Operations on Rational Numbers	Page No. 16, 17		Exercise 2b, on Page No. 19				
		17.	Operations on Rational Numbers	Page No. 18		Exercise 2b on Page No. 19				
		18.	Standard Form	Page No. 20		Learn with examples on Page No. 20				
		19.	Comparison of Rational Numbers	Page No. 21		Exercise 2c on Page No. 23				
		20.	Reciprocal of a Rational Numbers	Page No. 22		Exercise 2c on Page No. 23				

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**PLANNING WEEK**

**5 /13 5 /30**

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

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<b>5227</b>

Mathematics	Class-VII   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
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>NUMBERS</b>			
May	Week 1	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>			<b>WORKBOOK OR ACTIVITY CONTENTS</b>
27-Apr-15	01-May-15	21.	Decimal Numbers: Decimal Representation	Page No. 24	Learn about Decimal Numbers with examples on Page No, 24	
		22.	Conversion of Decimals into Rational Numbers	Page No. 25	Learn with examples on Page No. 25	
		23.	Terminating and Non Terminating Decimals	Page No. 26	Learn with Examples on Page No. 26	
		24.	Approximate Value	Page No. 27, 28	Examples on Page No. 28	
		25.	Decimal Numbers	Page No. 29, 30	Exercise 3 on Page No. 29, 30	

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**PLANNING WEEK**

**6 /13 6 /30**

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

Mathematics	Class-VII   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
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>NUMBERS</b>				
May	Week 2	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>			<b>WORKBOOK OR ACTIVITY CONTENTS</b>	
04-May-15	08-May-15	26.	Square Roots of Positive Integers: Positive Square Root by Division Page No. 31			Learn with examples on Page No. 31	
		27.	Determination of Positive Square Root by Division Page No. 32			Learn with examples on Page No. 32	
		28.	Positive Square Root by Division Page No. 33			Learn with Examples on Page No. 33	
		29.	Square Root Page No. 34			Exercise 4 on Page No. 34	
		30.	Revision Work			Revision Work	



**PLANNING WEEK**

**7 /13 7 /30**

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**5227**

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

MONTH	WEEK	PN	NUMBERS	WORKBOOK OR ACTIVITY CONTENTS
Mathematics	Class-VII   40 min		TERM INFORMATION	
PERIODS			I Apr-Sep 13 weeks 1 to 13 65 periods	
			II Oct-Mar 17 weeks 14 to 30 85 periods	
May	Week 3	[150]	TOPIC CONTENT & PAGE NUMBER	WORKBOOK OR ACTIVITY CONTENTS
11-May-15	15-May-15	31.	Exponents: Exponential Notation and Rational Numbers Page No. 35	Learn with examples on Page No. 35
		32.	Reciprocals with positive and Negative Integral Exponents Page No. 36	Learn with Examples on Page No. 36
		33.	Laws of Exponents Page No. 37	Learn with Examples on Page No. 37
		34.	Laws of Exponents Page No. 38	Learn with Examples on Page No. 38
		35.	Laws of Exponents Page No. 39	Learn with examples on Page No. 39

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**PLANNING WEEK**

**8 /13 8 /30**

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

Mathematics		Class-VII   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	
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>NUMBERS</b>								
May	Week 4	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>						<b>WORKBOOK OR ACTIVITY CONTENTS</b>		
18-May-15	22-May-15	36.	Laws of Exponents	Page No. 40				Learn with examples on Page No. 40			
		37.	Laws of Exponents	Page No. 41				Exercise 5 on Page No. 41			
		38.	Laws of Exponents	Page No. 41				Exercise 5 on Page No. 41			
		39.	Revision: Numbers	Page No. 42				Sums related to numbers on Page No. 42			
		40.	Revision: Numbers	Page No. 42				Sums related to numbers on Page No. 42			

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**PLANNING WEEK**

9 /13 9 /30

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Mathematics		Class-VII   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	ARITHMETIC								
June	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER						WORKBOOK OR ACTIVITY CONTENTS		
25-May-15	29-May-15	41.	Direct and Inverse Variation	Page No. 43		Learn about variations on Page No. 43					
		42.	Direct Variations	Page No. 44		Learn with examples on Page No. 44					
		43.	Inverse Variation	Page No. 45		Learn with examples on Page No. 45					
		44.	Using Properties	Page No. 46		Exercise No. 6 on Page No. 46					
		45.	Dividing in Given Ratios	Page No. 47		Exercise No. 6 on Page No. 48					

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**PLANNING WEEK**

**10/13 10/30**

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Mathematics	Class-VII   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
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>ARITHMETIC</b>			
August	Week 1	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>			<b>WORKBOOK OR ACTIVITY CONTENTS</b>
03-Aug-15	07-Aug-15	46.	Profit and Loss	Page No. 49	Learn with Examples on Page No. 49	
		47.	Profit and Loss	Page No. 50	Exercise 7 on Page No. 51	
		48.	Profit and Loss	Page No. 51	Exercise 7 on Page No. 51	
		49.	Discount	Page No. 52	Learn with Discount on Page No. 52	
		50.	Simple Discount	Page No. 53	Learn with examples on Page No. 53	

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**PLANNING WEEK**

**11/13 11/30**

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<b>5227</b>

SUBJECT PERIODS	CLASS & TIME	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	ARITHMETIC				
		[150]	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS	
03-Aug-15	07-Aug-15	51.	Discounts		Page No. 54	Exercise 8 on Page No. 55	
		52.	Discounts		Page No. 55	Exercise 8 on Page No. 56	
		53.	Simple Interest: Simple Interest and Amount		Page No. 57	Learn with examples on Page No, 57	
		54.	Time		Page No. 58	Learn with examples on Page No. 58	
		55.	Rate of Interest Per Annum Illustrative Examples		Page No. 59	Learn with examples on Page No. 59	

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**PLANNING WEEK**

**12/13 12/30**

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SUBJECT CODE <b>5227</b>
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Mathematics	Class-VII   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
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>ARITHMETIC</b>					
August	Week 3	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>				<b>WORKBOOK OR ACTIVITY CONTENTS</b>	
17-Aug-15	21-Aug-15	56.	Zakat		Page No. 60		Exercise on Page No. 61	
		57.	Simple Subtract		Page No. 61		Exercise 9 on Page No. 61	
		58.	Revision: Arithmetic		Page No. 62		Revision on Page No. 62	
		59.	Revision: Arithmetic		Page No. 62		Revision on Page No. 62	
		60.	Revision Work				Revision Work	

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**PLANNING WEEK**

**13/13 13/30**

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Mathematics	Class-VII   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	REVISION & TEST PAPER					
August	Week 4	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
24-Aug-15	28-Aug-15	61.	Test Paper 1	Page No. 63		Revision on Page No. 63		
		62.	Test Paper 1	Page No. 63		Revision on Page No. 63		
		63.	Revision Work			Revision Work		
		64.	Revision Work			Revision Work		
		65.	Revision Work			Revision Work		

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**PLANNING WEEK**

**1 /17 14/30**

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Mathematics		Class-VII   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	ALGEBRA								
September		Week 1	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS			
31-Aug-15	04-Sep-15	66.	Algebraic Expressions: Exponents		Page No. 64		Learn about Algebraic expressions on Page No. 64				
		67.	Variable, Coefficients and constants, Algebraic expressions, Polynomials				Learn about different Algebraic Terms on Page No. 65				
		68.	Like and Unlike Terms		Page No. 66		Learn with examples on Page No. 66				
		69.	Subtraction		Page No. 67		Learn with examples on Page No. 67				
		70.	Algebraic Expressions		Page No. 68		Exercise 10a on Page No. 68				

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**PLANNING WEEK**

**2 /17 15 /30**

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Mathematics	Class-VII   40 min	TERM INFORMATION				
PERIODS		I	Apr-Sep	13 weeks	1 to 13	65 periods
		II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	ALGEBRA			
October	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS
05-Oct-15	09-Oct-15	71.	Multiplication of Algebraic Expressions	Page No. 69	Learn Multiplication with examples on Page No. 69	
		72.	Multiplication of Algebraic Expressions	Page No. 70	Learn more examples on multiplication on Page No. 70	
		73.	Division of Algebraic Expressions	Page No. 71	Learn with examples on Page No. 71, 72	
		74.	Division of Algebraic Expressions	Page No. 73	Exercise 10b on Page No. 74	
		75.	Algebraic Expressions	Page No. 74	Exercise 10b, on Page No. 75	

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**PLANNING WEEK**

**3 /17 16/30**

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Mathematics		Class-VII   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	ALGEBRA								
October	Week 2	[150]	TOPIC CONTENT & PAGE NUMBER						WORKBOOK OR ACTIVITY CONTENTS		
12-Oct-15	16-Oct-15	76.	Simple Algebraic Formulas: Square of the Difference of Two Terms					Page No. 76	Learn about Formula on Page No. 76		
		77.	Product of Sums and Difference of 'Two Terms					Page No. 77	Learn with examples on Page No. 78		
		78.	Simple Algebraic Formula					Page No. 79	Exercise 11 on Page No. 79		
		79.	Algebraic Expressions					Page No. 80	Exercise 11 on Page No. 80		
		80.	Revision Work						Revision Work		

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**PLANNING WEEK**

**4 /17 17/30**

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**5227**

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

Mathematics	Class-VII   40 min	TERM INFORMATION				
PERIODS		I	Apr-Sep	13 weeks	1 to 13	65 periods
		II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	ALGEBRA			
October	Week 3	[150]	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS
19-Oct-15	23-Oct-15	81.	Factorization of Algebraic Expressions	Page No. 81	Learn with examples on Page No. 81	
		82.	Factorization by Inspection	Page No. 82	Exercise 12a on Page No. 82	
		83.	Factorization by the difference of two squares	Page No. 83	Exercise 12b, on Page No. 83	
		84.	Simple Equations	Page No. 84	Learn about simple equations on Page No. 84	
		85.	Equation and Identity	Page No. 85	Learn about Equations on Page No. 85	

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**PLANNING WEEK**

**5 /17 18/30**

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Mathematics	Class-VII   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
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>ALGEBRA</b>					
October	Week 4	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>				<b>WORKBOOK OR ACTIVITY CONTENTS</b>	
26-Oct-15	30-Oct-15	86.	Learn More about equation and Identity	Page No. 86, 87	Learn with examples on Page No. 87			
		87.	Equation and Identity	Page No. 88	Exercise 13a, on Page No. 88			
		88.	Problems on Simple Equations	Page No. 89	Exercise 13b on Page No. 90			
		89.	Problems on Simple Equations	Page No. 91	Exercise 13b, on Page No. 91			
		90.	Revision: Algebra	Page No. 92	Sums on Page No. 92			

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**PLANNING WEEK**

**6 /17 19/30**

SUBJECT CODE
5227

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

Mathematics	Class-VII   40 min	TERM INFORMATION				
PERIODS		I	Apr-Sep	13 weeks	1 to 13	65 periods
		II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	REVISION & TEST PAPER			
			TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS	
November	Week 1	[150]				
02-Nov-15	06-Nov-15	91.	Revision: Algebra	Page No. 93	Sums on Page No. 93	
		92.	Test Paper 2	Page No. 94	Sums on Page No. 94	
		93.	Test Paper 2	Page No. 95	Sums on Page No. 95	
		94.	Perpendicular and Parallel Lines	Page No. 96	Learn about perpendicular and parallel lines on Page No. 96, 97	
		95.	Parallel Lines/Transversal	Page No. 98	Lean more on Page No. 98	

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**PLANNING WEEK**

**7 /17 20/30**

SUBJECT CODE
<b>5227</b>

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

Mathematics	Class-VII   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
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>GEOMETRY</b>					
November	Week 2	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>				<b>WORKBOOK OR ACTIVITY CONTENTS</b>	
09-Nov-15	13-Nov-15	96.	Properties of Parallel Lines	Page No. 99		Learn about properties on Page No. 99		
		97.	Properties of Parallel Lines	Page No. 100		Learn more about properties on Page no. 100		
		98.	Construction of Parallel Lines	Page No. 101		Learn about construction on Page No. 101		
		99.	Perpendicular and Parallel Lines	Page no. 102		Exercise 14 on Page No. 102		
		100.	Circles	Page No. 103		Learn about circles on Page No. 103		

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**PLANNING WEEK**

**8 /17 21/30**

SUBJECT CODE
<b>5227</b>

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

Mathematics		Class-VII   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	
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>GEOMETRY</b>								
November	Week 3	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>						<b>WORKBOOK OR ACTIVITY CONTENTS</b>		
16-Nov-15	20-Nov-15	101.	Properties of a Circle	Page No. 104				Learn with figures on Page No. 104, 105			
		102.	Circles	Page No. 106				Exercise 15 on Page No. 106			
		103.	Geometrical Constructions	Page No. 107				Learn about Geometry on Page No. 107			
		104.	Using Ruler and Compasses	Page No. 108				Learn how to use ruler and compass on Page No. 108			
		105.	Using Ruler and Compasses	Page no. 109				Learn More on Page No. 109			

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**PLANNING WEEK**

**9 /17 22/30**

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Mathematics	Class-VII   40 min	TERM INFORMATION				
PERIODS		I	Apr-Sep	13 weeks	1 to 13	65 periods
		II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	GEOMETRY			
November	Week 4	[150]	TOPIC CONTENT & PAGE NUMBER		WORKBOOK OR ACTIVITY CONTENTS	
23-Nov-15	27-Nov-15	106.	Construction of Triangle	Page No. 110	Learn about construction on Page No. 110	
		107.	Construction of Triangle	Page no. 111	Learn about construction on Page No. 111	
		108.	Pythagoras Theorem	Page No. 112	Exercise 16 on Page No. 113	
		109.	Geometry	Page No. 114	Exercise 16 on Page No., 114	
		110.	Revision Work		Revision Work	

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**PLANNING WEEK**

**10/17 23/30**

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

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5227

Mathematics	Class-VII   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	GEOMETRY				
December	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS	
30-Nov-15	04-Dec-15	111.	Quadrilaterals	Page No. 115	Learn about sides and polygons on Page No. 115		
		112.	Quadrilaterals	Page No. 116	Learn more on Page No. 116		
		113.	Sums of the Angles of a Quadrilateral	Page No. 117	Learn more about angles of Quadrilaterals on Page No. 117		
		114.	Additional Properties of parallelograms	Page No. 118	Learn more with examples on Page No. 118		
		115.	Additional properties of Rectangles	Page No. 119	Learn about properties of rectangles on Page No. 119		

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**PLANNING WEEK**

**11/17 24/30**

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**5227**

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

Mathematics		Class-VII   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	
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>GEOMETRY</b>								
December	Week 2	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>						<b>WORKBOOK OR ACTIVITY CONTENTS</b>		
07-Dec-15	11-Dec-15	116.	Additional Properties of Rhombuses				Page No. 120		Properties of Rhombuses on Page No. 120		
		117.	Illustrative Examples				Page No. 121		Learn with examples on Page No. 121		
		118.	Illustrative Examples				Page No. 122		Exercise 17 on Page No. 123		
		119.	Illustrative Examples				Page No. 124		Exercise 17 on Page No. 124		
		120.	Revision: Geometry				Page No.125		Sums on Page No.125		

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**PLANNING WEEK**

**12/17 25/30**

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

Mathematics		Class-VII   40 min		TERM INFORMATION				
PERIODS				I	Apr-Sep	13 weeks	1 to 13	65 periods
				II	Oct-Mar	17 weeks	14 to 30	85 periods
MONTH	WEEK	PN	REVISION & TEST PAPER					
			TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
December	Week 3	[150]						
14-Dec-15	18-Dec-15	121.	Revision: Geometry	Page No. 126	Sums on Page No. 126			
		122.	Test Paper 3	Page No. 127	Sums on Page No. 127			
		123.	Test Paper 3	Page No. 128	Sums on Page No. 128			
		124.	Revision Work	Revision Work				
		125.	Revision Work	Revision Work				

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**PLANNING WEEK**

**13/17 26/30**

SUBJECT CODE

5227

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

Mathematics		Class-VII   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	MENSURATION								
January	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER						WORKBOOK OR ACTIVITY CONTENTS		
04-Jan-16	08-Jan-16	126.	Perimeter and Area: Perimeter	Page No. 129		Learn about Perimeter on Page No. 29					
		127.	Area	Page No. 130		Learn about Area on Page No. 130					
		128.	Area	Page No. 131		Learn with examples on Page No. 131					
		129.	Area	Page No. 132, 133		Learn with example on Page No. 132, 133					
		130.	Area	Page No. 134		Exercise 18 on Page No. 134, 135					

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**PLANNING WEEK**

**14/17 27/30**

SUBJECT CODE
<b>5227</b>

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

Mathematics		Class-VII   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	
<b>MONTH</b>	<b>WEEK</b>	<b>PN</b>	<b>MENSURATION</b>								
January	Week 2	[150]	<b>TOPIC CONTENT &amp; PAGE NUMBER</b>						<b>WORKBOOK OR ACTIVITY CONTENTS</b>		
11-Jan-16	15-Jan-16	131.	Surface areas and Volume Rectangle Solids	Page No. 136		Learn about area and volume on Page No. 136					
		132.	Standard Units of Volume	Page No. 137, 138		About standard Units on Page No. 137, 138					
		133.	Surface Area and Volumes	Page No. 139		Exercise 19 on Page No. 139, 140					
		134.	Revision: Mensuration	Page No. 141		Sums on Page No. 141					
		135.	Revision: Mensuration	Page No. 142		Sums on Page No. 142					

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**PLANNING WEEK**

**15/17 28/30**

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5227

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Mathematics		Class-VII   40 min		TERM INFORMATION			
5 periods p/w   150 p/a				I	Apr-Sep	13 weeks	1 to 13
				II	Oct-Mar	17 weeks	14 to 30
MONTH	WEEK	PN	STATISTICS				
			TOPIC CONTENT & PAGE NUMBER			WORKBOOK OR ACTIVITY CONTENTS	
January	Week 3	[150]					
18-Jan-16	22-Jan-16	136.	Test Paper 4	Paper No. 143		Sums on Page No. 143	
		137.	Test Paper 4	Page No. 144		Sums on Page No. 144	
		138.	More about Graphs	Page No. 145		About graphs on Page No. 145	
		139.	Construction of Bar Graphs	Page No. 146		Exercise 20 on Page No. 147	
		140.	Construction of Bar Graphs	Page No. 148, 149		Exercise 20 on Page No. 148, 149	

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**PLANNING WEEK**

**16/17 29/30**

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5227

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

Mathematics	Class-VII   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	REVISION & TEST PAPERS					
January	Week 4	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS	
25-Jan-16	29-Jan-16	141.	Test Paper 5 (Full Syllabus)	Page No. 150	Sums on Page No. 150			
		142.	Test Paper 5	Page No. 150	Sums on Page No. 150			
		143.	Test Paper 5	Page No. 151	Sums on Page No. 151			
		144.	Test Paper 5	Page No. 151	Sums on page No. 151			
		145.	Revision Work	Revision Work				

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**PLANNING WEEK**

**17/17 30/30**

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5227

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Mathematics	Class-VII   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	REVISION						
February	Week 1	[150]	TOPIC CONTENT & PAGE NUMBER				WORKBOOK OR ACTIVITY CONTENTS		
01-Feb-16	05-Feb-16	146.	Revision Work				Revision Work		
		147.	Revision Work				Revision Work		
		148.	Revision Work				Revision Work		
		149.	Revision Work				Revision Work		
		150.	Revision Work				Revision Work		

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