

PAKISTAN INTERNATIONAL SCHOOL, BURAIDAH
SYLLABUS BREAKUP

Class: VII- Subject: Mathematics

Number of Teaching Weeks in First Term: (1 - 16)

L# 1,2,3,4,9,10

Number of Teaching Weeks in Second Term: (17 - 32)

L# 5,6,7,8,11,12,13

Name of Text Book:

Week No.	Chapter No.	Article Name	Topic	Book Page Numbers
1	L#1		WAYS TO EXPRESS A SET	3, 4
		SETS	EX 1 A	4, 5
			OPERATIONS ON SETS	5 TO 8
			EX 1 B	9
2			EX 1 B	9, 10
			DISJOINT AND OVERLAPPING	10
			SETS	11
			PROPERTIES INVOLVING OPERATIONS ON SETS	12
3			//	13, 14
			EX 1 C	14
			EX 1 C	15
			VENN DIAGRAM	15,16
4			EX 1 D	17
			REVIEW EX 1	18
			REVIEW EX 1	18
			EXPLANATION	20 TO 23
5	L#2	RATIONAL NUMBERS	EX 2 A	24
			EX 2 A	25
			PROPERTIES OF RATIONAL NUMBERS	25,26
			EX 2 B	28

Week No.	Chapter No.	Article Name	Topic	Book Page Numbers
6	L#2		EX 2 B	28
			EX 2 B	28
			COMPARISON OF RATIONAL NUMBER	29
			EX 2 C	30
7			EX 2 C	30
			REVIEW EX 2	30,31
			REVIEW EX 2	32
		DECIMALS	EXPLANATION	34,35
8	L#3		EX 3 A	36
		TERMINATING, NON TERMINATING	EXPLANATION	36 37
		Decimals	RECURRING DECIMALS	37 TO 39
			EX 3 B	42
9			APPROXIMATE VALUE	42,43
			EX 3 C	44
			EX 3 C + REV EX 3	44
			REVIEW EX 3	45
10	L#4	EXPONENTS	EXPLANATION	46,47
			EX 4 A	47
			EX 4 A	48
			LAW OF EXPONENTS	48,49
11		LAWS	EX 4 B	49
			EX 4 B	50
			POWER LAW	50 TO 52
			EX 4 C	53

Week No.	Chapter No.	Article Name	Topic	Book Page Numbers
12	L#4	APPLICATION OF LAWS	EX 4 C	53
			REV EX 4	53
			REV EX 4	54
			LINEAR EQUATIONS	111,112
13	L#9	LINEAR EQUATIONS	DIFFERENT TECHNIQUES	112,113
			SOLUTION OF LINEAR EQUATIONS	114,115
			EX 9A	116
			EX 9A	116
14			SOLVING REAL LIFE PROBLEMS	116,117
			EX 9 B	117
			WORD PROBLEMS	117
			REV EX 9	118
15	L#10	FUNDAMENTALS OF GEOMETRY	REV EX 9	118
			PROPERTIES OF ANGLES	120 TO 123
			EX 10 A	123
			EX 10 A	124
16			EX 10 A	125
			EX 10 B	126
			EX 10 B + EX 10 C	127, 130
			SYMBOLS OF CONGRUENCY	128, 129
17			PROPERTIES FOR 2 FIGURES	131 TO 133
			EX 10 D	134,135
			EX 10 E	138, 139
			EX 10 F, REVIEW EX 10	140, 142

Week No.	Chapter No.	Article Name	Topic	Book Page Numbers
18	L#5	SQUARE ROOT OF POSITIVE NUMBERS	PERFECT SQUARE	55 TO 58
			EXERCISE 5 A	59
			EX 5 A	59
			SQUARE ROOTS	59 TO 63
19			EX 5 B	64
			EX 5 B	64
			SQUARE ROOT BY DIVISION METHOD	64 TO 66
			EX 5 C	67
20			EX 5 C	68
			EX 5 D	69
			WORD PROBLEMS	69
			REV EX 5	70
21	L#6		CONTINUED RATIO	71 TO 73
		DIRECT AND INVERSE VARIATION	EX 6 A	74
			EX 6 A	75
			UNITARY METHOD	75
22			EX 6 B	77
			EX 6 B	78
		TIME WORK AND DISTANCE	EX 6 C	79
			EX 6 C + EXPLANATION	80 81
23	L#7		EX 6 D	82
		FINANCIAL ARITHMETIC	REVIEW EX 6	82 83
			TAXES	84 TO 86
			EX 7 A	86

Week No.	Chapter No.	Article Name	Topic	Book Page Numbers
24	L#1		EX 7 A	87
		PROFIT/ MARKUP	EXPLANATION	87 TO 89
			EX 7 B	90
			ZAKAT AND USHR	90 91
25	L#8		EXERCISE 7 C	92
		ALGEBRA	REVIEW EX 7	93
			ALGEBARIC EXPRESSIONS	94 TO 97
			EXERCISE 8 A	97
26			OPERATION WITH POLYNOMIALS	98 TO 100
			EXERCISE 8 B	101
		MULTIPLICATION OF POLYNOMIALS	EXERCISE 8 B	101
			EXPLANATION	101 TO 103
27			EX 8 C	104
			ALGEBARIC IDENTITIES	104 105
			EX 8 D	106
			EX 8 D	106
28			EX 8 E	108
			FACTORIZATION OF ALGEBARIC EXPRESSIONS	108
			EX 8 F	109
			EX 8 G	110
29	L#11		REV EXERCISE 8	
		PRACTICAL GEOMETRY	LINE SEGMENT	143 TO 145
			EX 11 A	145, 146
			CONSTRUCTION OF TRIANGLES	146

Week No.	Chapter No.	Article Name	Topic	Book Page Numbers
30	L#11	CONSTRUCTION OF TRIANGLES	EX 11 B	147
		PARALLELOGRAM	EX 11 C	149
			EX 11 C	150
			EXPLANATION	150
31	L#12		EX 11 D	151
		CIRCUMFERENCE	EX 11 E	152
		AREA	REV EX 11	153
		AND VOLUME	EXPLANATION	154 TO 157
32			EX 12 A	158
			EX 12 A	159
			CYLINDER	159 TO 162
			EX 12 B	163
33	L#13		EX 12 B + REV EX 12	163, 164
		INFORMATION HANDLING	DATA EXPLANATION	165 166
			EX 13 A	167
			EX 13 A	168
34			PIE GRAPH	168, 169
			EXERCISE 13 B	170
			REVIEW EXERCISE 13	171
			// //	172