

PAKISTAN INTERNATIONAL SCHOOL BURAIDAH,  
AL-QASSIM. SAUDI ARABIA.



**MATH**  
**SYLLABUS**  
**CLASS VIII**  
**(Federal)**

**PAKISTAN INTERNATIONAL SCHOOL, BURAIDAH**  
**SYLLABUS BREAKUP**

**Class: 8th**

**Subject: Mathematics**

Number of Teaching Weeks in First Term: (1 - 14)

Number of Teaching Weeks in Second Term: (15 - 28)

Name of Text Book: Grade-9 Model Textbook of Mathematics

Week No.	Chapter No.	Day	Topic	Book Page Numbers
1	1	Day 1	Introduction of real numbers	8,9
		Day 2	Defintion of rational and irratianl numbers	9
		Day 3	Introduction of Number lines	10
		Day 4	properities of real numbers	10
2	1	Day 1	Distributive property of multiplication over additon and subraction	10,11
		Day 2	propeities of equality of real numbers	11
		Day 3	propeities of inequality of real numbers	12
		Day 4	Examples of Ex 1.1	10,11,12
3	1	Day 1	Ex 1.1 Q 1. part (i) to (viii)	14
		Day 2	Ex 1.1 Q 2. part (i) to (vi)	14
		Day 3	Ex 1.1 Q 3. part (i) to (vi)	14
		Day 4	Ex 1.1 Q 2. part (i) to (viii)	14
4	1	Day 1	Defintions of square root , principal squre root, radical and radicants	15
		Day 2	Definiton of nth root and its example	15
		Day 3	properites of radicals with examples and reducing the index	15,16
		Day 4	Introduction of base, exponents, rational exponents and negative rational exponents with	17,18
5	1	Day 1	Properits of exponents with examples	19
		Day 2	Ex 1.2 Q 1. part (i) to (viii)	20
		Day 3	Ex 1.2 Q 2. part (i) to (vi)	20
		Day 4	Ex 1.2 Q 3. part (i) to (vi)	21



Week No.	Chapter No.	Day	Topic	Book Page Numbers
6	1	Day 1	Ex 1.2 Q 4. part (i) to (v)	21
		Day 2	Ex 1.2 Q 4. part (vi) to (vii) and Q.5	21
		Day 3	Ex 1.3 Q 1 to Q.4	22,23
		Day 4	Ex 1.3 Q 5 to Q.8	23
7	1 and 2	Day 1	Ex 1.3 Q 9 and Q.10 + Miscellaneous exercise Q.1 and Q.2	23,24
		Day 2	Miscellaneous Q. 3, 4 and 5	25
		Day 3	Introduction and definition of logarithm+ Scientific notation	27
		Day 4	Ex 2.1 Q.1 and Q.2	28
8	2	Day 1	Ex 2.1 Q.3 to Q.5	28,29
		Day 2	Ex 2.2 Q.1 to Q.2	31
		Day 3	Ex 2.2 Q.3 to Q.4	31
		Day 4	Introduction to common logarithm, characteristics and mantissa + Ex 2.3	33
9	2	Day 1	Ex 2.4	34
		Day 2	Ex 2.5 Q.1(i) to (vii)	39
		Day 3	Ex 2.5 Q.2(i) to (v)	39
		Day 4	Ex 2.5 Q.3 and Q.4	39
10	2	Day 1	Ex 2.6 Q.1 (i) to (vi)	42
		Day 2	Ex 2.6 Q.2	42
		Q.	Ex 2.6 Q.3 + Miscellaneous Q.1	43
		Day 4	Miscellaneous Q.2,3,4	44
11	3	Day 1	Miscellaneous Q.5,6,7,8	44
		Day 2	Introduction of set and its types, set operation	48,49,50
		Day 3	Associative and distributive property of union and intersection	52,53
		Day 4	Ex 3.1 Q.1,2,3	56

Week No.	Chapter No.	Day	Topic	Book Page Numbers
12	3	Day 1	Ex 3.1 Q.1,4,5	56
		Day 2	Ex 3.1 Q.6,7	57
		Day 3	Ex 3.2 Q.1,4	59
		Day 4	Ex 3.2 Q.5,6,7	59
13	3	Day 1	Ex 3.2 Q.8,9,10,11	59
		Day 2	Ex 3.2 Q.12,13,14	60
		Day 3	Ex 3.3 Q.1,2,3	62
		Day 4	Ex 3.3 Q.4,5,6	62
14	3	Day 1	Ex 3.3 Q.7,8	63
		Day 2	Ex 3.4 Q.1,2,3	66
		Day 3	Ex 3.4 Q.4,5,6	66
		Day 4	Ex 3.4 Q.7,8,9	66
15	4	Day 1	Introduction of factarizaion and algebric manupulation	69
		Day 2	Ex 4.1 Q.1 to 8	72
		Day 3	Ex 4.1 Q.9,10,11	72
		Day 4	Ex 4.1 Q.12 to 15	72
16	4	Day 1	Ex 4.1 Q.16 to 20	72
		Day 2	Ex 4.1 Q.21 to 25	72
		Day 3	Ex 4.1 Q.25 to 29	72
		Day 4	Ex 4.2 Q.1 to 6	75
17	4	Day 1	Ex 4.2 Q.7 to 10	75
		Day 2	Ex 4.2 Q.11 to 14	75
		Day 3	Ex 4.2 Q.15 to 18	75
		Day 4	Ex 4.2 Q.19 to 22	75



Week No.	Chapter No.	Day	Topic	Book Page Numbers
18	4	Day 1	Ex 4.3 Q.1	77
		Day 2	Ex 4.3 Q.2 TO 6	77
		Day 3	Ex 4.3 Q.7 TO 9	77
		Day 4	Ex 4.4 Q.1,2	80,81
19	4	Day 1	Ex 4.4 Q.3 to 8	81
		Day 2	Ex 4.4 Q.9 to 15	81
		Day 3	Ex 4.5 Q.1 , 2	83
		Day 4	Ex 4.5 Q.3 to 6	83
20	4	Day 1	Ex 4.6 Q.1	87
		Day 2	Ex 4.6 Q.2 to 7	87
		Day 3	Ex 4.6 Q.8 to 13	87
		Day 4	Ex 4.7 Q.1 to 5	92
21	4	Day 1	Ex 4.7 Q.6 to 10	92
		Day 2	Ex 4.7 Q.11 to 14	92
		Day 3	Ex 4.7 Q.15 to 17	93
		Day 4	Ex 4.8 Q.1 to 2	94
22	5	Day 1	Ex 4.8 Q.3 to 6	94
		Day 2	Miscellaneous Q. 1	96,97
		Day 3	Miscellaneous Q. 2 to 15	98
		Day 4	Miscellaneous Q. 16 to 20	98
23	5	Day 1	Introduciton of linear equations and inequalities	99,100
		Day 2	Ex 5.1 Q.1 to 6	102
		Day 3	Ex 5.1 Q.6 to 13	102
		Day 4	Ex 5.2 Q.1 to 8	103

Week No.	Chapter No.	Day	Topic	Book Page Numbers
24	5	Day 1	Ex 5.2 Q.9 to 16	104
		Day 2	Ex 5.3 Q.1 to 14	106
		Day 3	Ex 5.4 Q.1 to 4	110
		Day 4	Ex 5.2 Q.5 to 12	110
25	10	Day 1	Miscellaneous Q.1	111
		Day 2	Miscellaneous Q.2 to 6	112
		Day 3	Miscellaneous Q.7 to 9	112
		Day 4	Intoduction to practicle geometry	228
26	10	Day 1	Ex 10.1 Q.1	231
		Day 2	Ex 10.1 Q.2	231
		Day 3	Ex 10.2 Q.1	235
		Day 4	Ex 10.2 Q.2	235
27	10	Day 1	Ex 10.2 Q.3	235
		Day 2	Ex 10.2 Q.4	235
		Day 3	Ex 10.2 Q.5	235
		Day 4	Ex 10.2 Q.6	235
28	10	Day 1	Ex 10.2 Q.7	235
		Day 2	Ex 10.2 Q.8	235
		Day 3	Miscellaneous Q.1	237
		Day 4	Miscellaneous Q.2 to 6	237