



District Report Card: 2017


State: Rajasthan	District: Barmer
Class: 8	Subject: Mathematics
Schools: 51	Students: 1216


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	609	50.08	607	49.92

AREA 	Rural		Urban	
	Number	%	Number	%
	1173	96.46	43	3.54

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	216	17.76	44	3.62	841	69.16	115	9.46

CWSN 	LD	VI	HI	S&LD	ID	Oth
	1	0	1	4	3	4

Management 	Government		Government-aided	
	Number	%	Number	%
	1216	100.00	0	0.00

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
64.65	65.02	64.27	65.50	41.55	64.65	0.00	63.70	59.70	65.08	65.16

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	68.05
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	79.70
M620	Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc.	76.94
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	65.56
M702	Interprets the division and multiplication of fractions	59.70
M705	Solves problems related to daily life situations involving rational numbers	63.40
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	55.12
M707	Adds/subtracts algebraic expressions	77.63
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	75.77
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	51.25
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	65.49
M721	Interprets data using bar graph	82.44
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	48.29
M802	Finds rational numbers between two given rational numbers	70.73
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	73.38
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	77.89
M808	Uses various algebraic identities in solving problems of daily life	27.32
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	54.65
M818	Finds surface area and volume of cuboidal and cylindrical object	43.74
M819	Draws and interprets bar charts and pie charts	64.06

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
100	8.22	177	14.56	539	44.33	400	32.89

Lowest Performing Learning Outcomes (LOs)

- 1 - Uses various algebraic identities in solving problems of daily life (27.32)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (43.74)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (48.29)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (51.25)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (54.65)