



District Report Card: 2017


State: Maharashtra	District: Bid
Class: 8	Subject: Mathematics
Schools: 51	Students: 1386


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	652	47.04	734	52.96

 AREA	Rural		Urban	
	Number	%	Number	%
	909	65.58	477	34.42

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	187	13.49	21	1.52	550	39.68	628	45.31

 CWSN	LD	VI	HI	S&LD	ID	Oth
	16	3	2	2	0	16

 Management	Government		Government-aided	
	Number	%	Number	%
	241	17.39	1145	82.61

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
55.50	56.02	55.03	56.21	54.14	57.21	55.14	59.43	60.32	57.52	52.40

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	41.24
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	58.76
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.	57.05
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	57.16
M702	Interprets the division and multiplication of fractions	47.55
M705	Solves problems related to daily life situations involving rational numbers	53.61
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	51.94
M707	Adds/subtracts algebraic expressions	71.86
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	43.31
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	37.92
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	59.75
M721	Interprets data using bar graph	65.18
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	39.42
M802	Finds rational numbers between two given rational numbers	61.44
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	59.62
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	67.19
M808	Uses various algebraic identities in solving problems of daily life	67.34
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	53.25
M818	Finds surface area and volume of cuboidal and cylindrical object	34.24
M819	Draws and interprets bar charts and pie charts	61.98

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
217	15.66	317	22.87	565	40.76	287	20.71

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (34.24)
- 2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (37.92)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (39.42)

4 - Solves problems involving large numbers by applying appropriate operations (41.24)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (43.31)