



**District Report Card: 2017**


<b>State:</b> Maharashtra	<b>District:</b> Aurangabad (maharashtra)
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1411


**Participation/Coverage**


**Students**

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	751	53.22	660	46.78

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	913	64.71	498	35.29

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	257	18.21	60	4.25	334	23.67	760	53.86

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	2	3	1	1	1	55

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	389	27.57	1022	72.43

**Average Performance of Students in Mathematics (%)**

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
45.02	45.76	44.18	48.57	38.51	54.88	41.27	41.45	50.44	45.23	45.71

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	34.51
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	45.40
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.	45.09
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	48.09
M702	Interprets the division and multiplication of fractions	43.52
M705	Solves problems related to daily life situations involving rational numbers	40.26
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	45.17
M707	Adds/subtracts algebraic expressions	57.83
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	31.68
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	34.37
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	53.45
M721	Interprets data using bar graph	52.13
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	33.52
M802	Finds rational numbers between two given rational numbers	36.65
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	55.59
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	58.52
M808	Uses various algebraic identities in solving problems of daily life	48.86
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	42.40
M818	Finds surface area and volume of cuboidal and cylindrical object	34.80
M819	Draws and interprets bar charts and pie charts	42.66

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
431	30.55	430	30.47	373	26.44	177	12.54

## Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (31.68)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (33.52)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (34.37)

4 - Solves problems involving large numbers by applying appropriate operations (34.51)

5 - Finds surface area and volume of cuboidal and cylindrical object (34.80)