



**District Report Card: 2017**


<b>State:</b> Karnataka	<b>District:</b> Ramanagara
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1396


**Participation/Coverage**


**Students**

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	742	53.15	654	46.85

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	947	67.84	449	32.16

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	371	26.58	59	4.23	905	64.83	61	4.37

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

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	832	59.60	564	40.40

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
54.30	52.91	55.88	57.53	47.50	55.23	52.93	52.35	50.96	56.63	34.97

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	59.05
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	55.46
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.	52.92
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	52.73
M702	Interprets the division and multiplication of fractions	32.09
M705	Solves problems related to daily life situations involving rational numbers	54.23
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	53.14
M707	Adds/subtracts algebraic expressions	66.98
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	45.43
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	43.97
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	70.98
M721	Interprets data using bar graph	62.71
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	42.71
M802	Finds rational numbers between two given rational numbers	61.86
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	59.48
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	64.14
M808	Uses various algebraic identities in solving problems of daily life	67.86
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	46.75
M818	Finds surface area and volume of cuboidal and cylindrical object	39.14
M819	Draws and interprets bar charts and pie charts	51.43

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
258	18.48	306	21.92	561	40.19	271	19.41

## Lowest Performing Learning Outcomes (LOs)

1 - Interprets the division and multiplication of fractions (32.09)

2 - Finds surface area and volume of cuboidal and cylindrical object (39.14)

3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (42.71)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (43.97)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (45.43)