



**District Report Card: 2017**


<b>State:</b> Karnataka	<b>District:</b> Tumakuru Madhugiri
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1444


**Participation/Coverage**


**Students**

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	693	47.99	751	52.01

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	1129	78.19	315	21.81

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	474	32.83	242	16.76	645	44.67	83	5.75

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	1	1	0	2	4	12

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	837	57.96	607	42.04

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
56.59	55.85	57.27	56.88	55.56	54.22	59.86	57.81	53.66	56.27	60.64

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	66.48
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	61.40
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.	59.94
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	60.71
M702	Interprets the division and multiplication of fractions	44.04
M705	Solves problems related to daily life situations involving rational numbers	50.83
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	60.20
M707	Adds/subtracts algebraic expressions	72.23
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	42.88
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	42.58
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	75.87
M721	Interprets data using bar graph	62.85
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	38.55
M802	Finds rational numbers between two given rational numbers	62.85
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	68.54
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	61.31
M808	Uses various algebraic identities in solving problems of daily life	68.16
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	37.98
M818	Finds surface area and volume of cuboidal and cylindrical object	37.29
M819	Draws and interprets bar charts and pie charts	53.95

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
234	16.20	301	20.84	595	41.20	314	21.75

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (37.29)
- 2 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (37.98)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (38.55)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (42.58)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (42.88)