



**District Report Card: 2017**


<b>State:</b> Karnataka	<b>District:</b> Dharwad
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1399


**Participation/Coverage**


**Students**

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	727	51.97	672	48.03

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	740	52.89	659	47.11

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	220	15.73	84	6.00	985	70.41	110	7.86

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	3	4	0	2	4	40

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	820	58.61	579	41.39

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
55.56	53.87	57.39	59.45	51.19	60.23	48.95	53.30	51.27	56.49	54.97

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	63.32
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	65.19
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.	54.32
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	66.19
M702	Interprets the division and multiplication of fractions	41.39
M705	Solves problems related to daily life situations involving rational numbers	59.61
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	52.92
M707	Adds/subtracts algebraic expressions	67.48
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	44.94
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	34.24
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	74.77
M721	Interprets data using bar graph	66.48
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	30.96
M802	Finds rational numbers between two given rational numbers	50.78
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	71.49
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	61.34
M808	Uses various algebraic identities in solving problems of daily life	66.62
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	44.92
M818	Finds surface area and volume of cuboidal and cylindrical object	39.66
M819	Draws and interprets bar charts and pie charts	46.89

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
201	14.37	313	22.37	623	44.53	262	18.73

## Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (30.96)

2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (34.24)

3 - Finds surface area and volume of cuboidal and cylindrical object (39.66)

4 - Interprets the division and multiplication of fractions (41.39)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (44.92)