



**District Report Card: 2017**


<b>State:</b> Karnataka	<b>District:</b> Dakshina Kannada
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1349


**Participation/Coverage**


**Students**

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	771	57.15	578	42.85

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	932	69.09	417	30.91

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	177	13.12	75	5.56	1071	79.39	26	1.93

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

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	685	50.78	664	49.22

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
39.44	38.56	40.62	42.25	33.17	40.07	38.80	36.53	33.42	40.52	32.31

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	39.73
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	28.72
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.	35.18
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	43.30
M702	Interprets the division and multiplication of fractions	41.96
M705	Solves problems related to daily life situations involving rational numbers	40.40
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	24.08
M707	Adds/subtracts algebraic expressions	37.36
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	22.90
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.57
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	61.26
M721	Interprets data using bar graph	48.01
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	30.58
M802	Finds rational numbers between two given rational numbers	42.39
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	48.21
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	32.50
M808	Uses various algebraic identities in solving problems of daily life	55.98
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	31.87
M818	Finds surface area and volume of cuboidal and cylindrical object	24.08
M819	Draws and interprets bar charts and pie charts	45.00

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
475	35.21	538	39.88	253	18.75	83	6.15

## Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (22.90)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (24.08)
- 3 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (24.08)

- 4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (28.57)
- 5 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (28.72)