



### District Report Card: 2017


<b>State:</b> Karnataka	<b>District:</b> Kodagu
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1329


### Participation/Coverage


#### Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	643	48.38	686	51.62

 AREA	Rural		Urban	
	Number	%	Number	%
	1104	83.07	225	16.93

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	293	22.05	262	19.71	714	53.72	60	4.51

 CWSN	LD	VI	HI	S&LD	ID	Oth
	2	2	0	3	1	23

 Management	Government		Government-aided	
	Number	%	Number	%
	729	54.85	600	45.15

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
40.62	40.11	41.10	41.07	38.40	38.34	43.39	42.78	36.56	41.80	33.78

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	38.45
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	41.79
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.	38.00
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	43.92
M702	Interprets the division and multiplication of fractions	35.74
M705	Solves problems related to daily life situations involving rational numbers	42.44
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	29.36
M707	Adds/subtracts algebraic expressions	44.32
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	25.93
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	29.64
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	58.28
M721	Interprets data using bar graph	44.86
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	23.70
M802	Finds rational numbers between two given rational numbers	49.48
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	44.83
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	35.62
M808	Uses various algebraic identities in solving problems of daily life	49.48
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	34.42
M818	Finds surface area and volume of cuboidal and cylindrical object	32.49
M819	Draws and interprets bar charts and pie charts	46.20

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
481	36.19	438	32.96	316	23.78	94	7.07

## Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (23.70)

2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (25.93)

3 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (29.36)

- 4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (29.64)
- 5 - Finds surface area and volume of cuboidal and cylindrical object (32.49)