



District Report Card: 2017


State: Karnataka	District: Chikkamagaluru
Class: 8	Subject: Mathematics
Schools: 51	Students: 1326


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	671	50.60	655	49.40

 AREA	Rural		Urban	
	Number	%	Number	%
	860	64.86	466	35.14

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	426	32.13	62	4.68	802	60.48	36	2.71

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

 Management	Government		Government-aided	
	Number	%	Number	%
	722	54.45	604	45.55

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
37.13	36.68	37.59	38.36	34.86	34.51	40.26	35.01	36.34	38.70	28.52

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	38.24
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	38.69
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.	35.92
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	40.36
M702	Interprets the division and multiplication of fractions	34.09
M705	Solves problems related to daily life situations involving rational numbers	35.90
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	31.18
M707	Adds/subtracts algebraic expressions	36.73
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	22.94
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	29.14
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.39
M721	Interprets data using bar graph	48.28
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	25.19
M802	Finds rational numbers between two given rational numbers	39.73
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	42.94
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	36.28
M808	Uses various algebraic identities in solving problems of daily life	50.22
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	28.82
M818	Finds surface area and volume of cuboidal and cylindrical object	28.49
M819	Draws and interprets bar charts and pie charts	38.76

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
538	40.57	455	34.31	290	21.87	43	3.24

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (22.94)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (25.19)
- 3 - Finds surface area and volume of cuboidal and cylindrical object (28.49)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (28.82)
- 5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (29.14)