



District Report Card: 2017


State: Karnataka	District: Gadag
Class: 8	Subject: Mathematics
Schools: 50	Students: 1352


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	671	49.63	681	50.37

 AREA	Rural		Urban	
	Number	%	Number	%
	811	59.99	541	40.01

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	240	17.75	93	6.88	858	63.46	161	11.91

 CWSN	LD	VI	HI	S&LD	ID	Oth
	3	1	1	3	1	8

 Management	Government		Government-aided	
	Number	%	Number	%
	735	54.36	617	45.64

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
56.28	53.58	58.94	58.96	52.27	61.65	49.89	59.19	63.01	55.41	52.71

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	64.64
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	67.46
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.	58.07
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	54.68
M702	Interprets the division and multiplication of fractions	44.90
M705	Solves problems related to daily life situations involving rational numbers	58.58
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	57.73
M707	Adds/subtracts algebraic expressions	70.64
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	42.12
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	37.00
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	72.25
M721	Interprets data using bar graph	63.77
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	48.60
M802	Finds rational numbers between two given rational numbers	53.76
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	67.31
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	63.18
M808	Uses various algebraic identities in solving problems of daily life	65.10
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	39.70
M818	Finds surface area and volume of cuboidal and cylindrical object	32.40
M819	Draws and interprets bar charts and pie charts	56.29

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
247	18.27	274	20.27	501	37.06	330	24.41

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (32.40)
- 2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (37.00)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (39.70)

4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (42.12)

5 - Interprets the division and multiplication of fractions (44.90)