



District Report Card: 2017


State: Karnataka	District: Bengaluru Rural
Class: 8	Subject: Mathematics
Schools: 50	Students: 1388


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	651	46.90	737	53.10

AREA 	Rural		Urban	
	Number	%	Number	%
	1126	81.12	262	18.88

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	526	37.90	95	6.84	701	50.50	66	4.76

CWSN 	LD	VI	HI	S&LD	ID	Oth
	2	2	0	4	6	28

Management 	Government		Government-aided	
	Number	%	Number	%
	949	68.37	439	31.63

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
50.58	48.87	52.09	51.60	46.18	52.98	45.41	51.09	53.26	51.00	38.18

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	52.79
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	54.36
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.	48.92
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	56.08
M702	Interprets the division and multiplication of fractions	34.73
M705	Solves problems related to daily life situations involving rational numbers	44.88
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	53.27
M707	Adds/subtracts algebraic expressions	62.46
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	35.41
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	44.21
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	66.75
M721	Interprets data using bar graph	60.23
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	37.59
M802	Finds rational numbers between two given rational numbers	49.93
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	65.67
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	55.30
M808	Uses various algebraic identities in solving problems of daily life	63.28
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	36.46
M818	Finds surface area and volume of cuboidal and cylindrical object	42.96
M819	Draws and interprets bar charts and pie charts	52.81

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
322	23.20	367	26.44	480	34.58	219	15.78

Lowest Performing Learning Outcomes (LOs)

- 1 - Interprets the division and multiplication of fractions (34.73)
- 2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (35.41)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (36.46)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (37.59)

5 - Finds surface area and volume of cuboidal and cylindrical object (42.96)