



District Report Card: 2017


State: Karnataka	District: Kolar
Class: 8	Subject: Mathematics
Schools: 51	Students: 1349


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	642	47.59	707	52.41

 AREA	Rural		Urban	
	Number	%	Number	%
	925	68.57	424	31.43

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	515	38.18	117	8.67	645	47.81	72	5.34

 CWSN	LD	VI	HI	S&LD	ID	Oth
	2	2	0	1	4	5

 Management	Government		Government-aided	
	Number	%	Number	%
	970	71.91	379	28.09

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
43.66	41.00	46.08	44.41	42.03	41.38	49.50	44.45	43.76	43.71	37.41

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	54.53
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	44.58
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.	46.83
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	45.77
M702	Interprets the division and multiplication of fractions	38.55
M705	Solves problems related to daily life situations involving rational numbers	36.55
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	40.83
M707	Adds/subtracts algebraic expressions	51.37
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	31.80
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	34.62
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	58.80
M721	Interprets data using bar graph	52.37
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	35.95
M802	Finds rational numbers between two given rational numbers	44.38
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	51.41
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	48.22
M808	Uses various algebraic identities in solving problems of daily life	58.88
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	31.11
M818	Finds surface area and volume of cuboidal and cylindrical object	32.25
M819	Draws and interprets bar charts and pie charts	35.58

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
401	29.73	399	29.58	471	34.91	78	5.78

Lowest Performing Learning Outcomes (LOs)

- 1 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (31.11)
- 2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (31.80)
- 3 - Finds surface area and volume of cuboidal and cylindrical object (32.25)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (34.62)

5 - Draws and interprets bar charts and pie charts (35.58)