



District Report Card: 2017


State: Karnataka	District: Chitradurga
Class: 8	Subject: Mathematics
Schools: 49	Students: 1360


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	684	50.29	676	49.71

AREA 	Rural		Urban	
	Number	%	Number	%
	966	71.03	394	28.97

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	463	34.04	256	18.82	600	44.12	41	3.01

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

Management 	Government		Government-aided	
	Number	%	Number	%
	600	44.12	760	55.88

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
52.39	52.15	52.62	53.06	50.73	51.84	52.82	52.04	52.06	51.88	65.85

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	63.89
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	55.27
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.	49.63
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	45.96
M705	Solves problems related to daily life situations involving rational numbers	55.22
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	57.21
M707	Adds/subtracts algebraic expressions	71.25
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	40.76
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	23.18
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	65.91
M721	Interprets data using bar graph	62.88
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.88
M802	Finds rational numbers between two given rational numbers	57.93
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	66.27
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	68.12
M808	Uses various algebraic identities in solving problems of daily life	64.19
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	40.29
M818	Finds surface area and volume of cuboidal and cylindrical object	30.57
M819	Draws and interprets bar charts and pie charts	45.66

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
280	20.59	325	23.90	542	39.85	213	15.66

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (23.18)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (30.57)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (31.88)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (40.29)
- 5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (40.76)