



District Report Card: 2017


State: Rajasthan	District: Chittaurgarh
Class: 8	Subject: Mathematics
Schools: 51	Students: 1022


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	537	52.54	485	47.46

AREA 	Rural		Urban	
	Number	%	Number	%
	849	83.07	173	16.93

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	171	16.73	187	18.30	540	52.84	124	12.13

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

Management 	Government		Government-aided	
	Number	%	Number	%
	1022	100.00	0	0.00

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
50.69	51.53	49.76	50.69	50.67	50.69	0.00	49.32	51.87	50.35	52.31

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	44.25
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	56.55
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.	55.37
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	50.79
M702	Interprets the division and multiplication of fractions	45.21
M705	Solves problems related to daily life situations involving rational numbers	49.51
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	44.02
M707	Adds/subtracts algebraic expressions	57.83
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	48.26
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	40.87
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	54.91
M721	Interprets data using bar graph	61.00
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	39.00
M802	Finds rational numbers between two given rational numbers	54.83
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	66.67
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	59.07
M808	Uses various algebraic identities in solving problems of daily life	35.91
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	49.87
M818	Finds surface area and volume of cuboidal and cylindrical object	31.85
M819	Draws and interprets bar charts and pie charts	51.37

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
199	19.47	283	27.69	414	40.51	126	12.33

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (31.85)
- 2 - Uses various algebraic identities in solving problems of daily life (35.91)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (39.00)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (40.87)

5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (44.02)