



District Report Card: 2017


State: Jharkhand	District: Garhwa
Class: 8	Subject: Mathematics
Schools: 51	Students: 1223


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	637	52.09	586	47.91

AREA 	Rural		Urban	
	Number	%	Number	%
	1155	94.44	68	5.56

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	255	20.85	172	14.06	698	57.07	98	8.01

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

Management 	Government		Government-aided	
	Number	%	Number	%
	1223	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
47.79	45.94	49.80	48.53	35.29	47.79	0.00	47.40	42.98	48.24	54.01

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	54.82
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	40.45
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.	52.91
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	33.73
M702	Interprets the division and multiplication of fractions	26.49
M705	Solves problems related to daily life situations involving rational numbers	65.74
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	75.41
M707	Adds/subtracts algebraic expressions	77.51
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	44.26
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	32.96
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	49.27
M721	Interprets data using bar graph	39.34
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	54.10
M802	Finds rational numbers between two given rational numbers	39.34
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	45.87
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	49.18
M808	Uses various algebraic identities in solving problems of daily life	19.67
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	37.95
M818	Finds surface area and volume of cuboidal and cylindrical object	24.59
M819	Draws and interprets bar charts and pie charts	59.12

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
280	22.89	471	38.51	288	23.55	184	15.04

Lowest Performing Learning Outcomes (LOs)

- 1 - Uses various algebraic identities in solving problems of daily life (19.67)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (24.59)
- 3 - Interprets the division and multiplication of fractions (26.49)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (32.96)

5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (33.73)