



District Report Card: 2017


State: Jharkhand	District: Dhanbad
Class: 8	Subject: Mathematics
Schools: 49	Students: 1329


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	650		48.91		679		51.09	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	961		72.31		368		27.69	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	215	16.18	192	14.45	846	63.66	76	5.72

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	1	2	5	4	2	1

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1243		93.53	86		6.47

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
61.64	60.19	63.02	61.27	62.61	61.61	62.09	56.96	60.66	63.29	59.04

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	65.86
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	75.49
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.	71.56
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	67.22
M702	Interprets the division and multiplication of fractions	57.49
M705	Solves problems related to daily life situations involving rational numbers	62.23
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	58.13
M707	Adds/subtracts algebraic expressions	76.07
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	61.30
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	48.87
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	61.03
M721	Interprets data using bar graph	67.77
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	45.48
M802	Finds rational numbers between two given rational numbers	64.46
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	77.89
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	76.51
M808	Uses various algebraic identities in solving problems of daily life	45.78
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	52.96
M818	Finds surface area and volume of cuboidal and cylindrical object	32.83
M819	Draws and interprets bar charts and pie charts	56.66

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
126	9.48	248	18.66	587	44.17	368	27.69

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (32.83)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (45.48)
- 3 - Uses various algebraic identities in solving problems of daily life (45.78)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (48.87)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (52.96)