



District Report Card: 2017


State: Jharkhand	District: Khunti
Class: 8	Subject: Mathematics
Schools: 49	Students: 1148


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	522	45.47	626	54.53

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	1038	90.42	110	9.58

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	87	7.58	863	75.17	182	15.85	16	1.39

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

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	798	69.51	350	30.49

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
42.00	41.97	42.03	42.27	39.45	42.84	40.10	42.68	41.61	43.26	45.00

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	39.41
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	48.26
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.	47.39
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	39.41
M702	Interprets the division and multiplication of fractions	37.28
M705	Solves problems related to daily life situations involving rational numbers	40.77
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	42.66
M707	Adds/subtracts algebraic expressions	54.79
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	36.71
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	36.46
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	47.16
M721	Interprets data using bar graph	56.99
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.64
M802	Finds rational numbers between two given rational numbers	32.87
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	54.51
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	48.08
M808	Uses various algebraic identities in solving problems of daily life	45.63
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	34.80
M818	Finds surface area and volume of cuboidal and cylindrical object	19.41
M819	Draws and interprets bar charts and pie charts	37.11

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
336	29.27	430	37.46	327	28.48	55	4.79

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (19.41)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (31.64)
- 3 - Finds rational numbers between two given rational numbers (32.87)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (34.80)
- 5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (36.46)