



District Report Card: 2017


State: Chhattisgarh	District: Korba
Class: 8	Subject: Mathematics
Schools: 51	Students: 1264


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	551		43.59		713		56.41	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	1027		81.25		237		18.75	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	128	10.13	630	49.84	483	38.21	23	1.82

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	0	0	1	2	1	1

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1239		98.02	25		1.98

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
27.11	27.03	27.17	28.74	20.03	27.36	14.67	21.98	27.94	27.52	24.35

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	44.98
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	15.47
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.	32.10
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	33.33
M702	Interprets the division and multiplication of fractions	26.58
M705	Solves problems related to daily life situations involving rational numbers	13.29
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	40.19
M707	Adds/subtracts algebraic expressions	20.73
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	13.34
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	15.47
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	20.99
M721	Interprets data using bar graph	50.71
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	32.65
M802	Finds rational numbers between two given rational numbers	8.95
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	50.24
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	47.41
M808	Uses various algebraic identities in solving problems of daily life	43.49
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	27.18
M818	Finds surface area and volume of cuboidal and cylindrical object	27.63
M819	Draws and interprets bar charts and pie charts	13.61

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
818	64.72	288	22.78	117	9.26	41	3.24

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds rational numbers between two given rational numbers (8.95)
- 2 - Solves problems related to daily life situations involving rational numbers (13.29)
- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (13.34)

4 - Draws and interprets bar charts and pie charts (13.61)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (15.47)