



District Report Card: 2017


State: Madhya Pradesh	District: Vidisha
Class: 8	Subject: Mathematics
Schools: 51	Students: 1044


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	480		45.98		564		54.02	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	853		81.70		191		18.30	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	306	29.31	82	7.85	544	52.11	112	10.73

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	3	4	1	1	6	14

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1044		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
31.37	28.72	33.63	30.75	34.17	31.37	0.00	29.80	27.80	32.87	31.01

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	31.84
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	33.89
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.	27.07
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	32.59
M702	Interprets the division and multiplication of fractions	31.13
M705	Solves problems related to daily life situations involving rational numbers	31.23
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	28.80
M707	Adds/subtracts algebraic expressions	35.25
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	27.22
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.31
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	35.61
M721	Interprets data using bar graph	38.66
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.36
M802	Finds rational numbers between two given rational numbers	29.98
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	37.62
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	43.98
M808	Uses various algebraic identities in solving problems of daily life	37.87
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	26.94
M818	Finds surface area and volume of cuboidal and cylindrical object	23.47
M819	Draws and interprets bar charts and pie charts	25.86

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
571	54.69	278	26.63	166	15.90	29	2.78

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (23.47)
- 2 - Draws and interprets bar charts and pie charts (25.86)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (26.94)

- 4 - Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc. (27.07)
- 5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (27.22)