



District Report Card: 2017


State: Madhya Pradesh	District: Indore
Class: 8	Subject: Mathematics
Schools: 51	Students: 1142


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	427		37.39		715		62.61	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	683		59.81		459		40.19	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	364	31.87	202	17.69	482	42.21	94	8.23

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	1	0	0	0	2	53

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1043		91.33	99		8.67

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
38.82	41.22	37.39	41.26	35.19	40.38	22.36	41.59	37.16	37.52	38.30

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	37.79
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	41.30
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.	40.68
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	34.45
M702	Interprets the division and multiplication of fractions	41.16
M705	Solves problems related to daily life situations involving rational numbers	36.08
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	38.57
M707	Adds/subtracts algebraic expressions	50.79
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	37.52
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	32.69
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	45.59
M721	Interprets data using bar graph	48.17
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	27.40
M802	Finds rational numbers between two given rational numbers	39.09
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	49.91
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	50.44
M808	Uses various algebraic identities in solving problems of daily life	35.78
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	29.28
M818	Finds surface area and volume of cuboidal and cylindrical object	17.10
M819	Draws and interprets bar charts and pie charts	35.90

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
445	38.97	366	32.05	275	24.08	56	4.90

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (17.10)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (27.40)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (29.28)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (32.69)

5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (34.45)