



District Report Card: 2017


State: Maharashtra	District: Gondiya
Class: 8	Subject: Mathematics
Schools: 51	Students: 1363


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	638		46.81		725		53.19	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	1168		85.69		195		14.31	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	200	14.67	293	21.50	688	50.48	182	13.35

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	7	0	0	5	14

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	143		10.49	1220		89.51

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
38.14	37.83	38.42	38.26	37.44	44.29	37.42	38.50	33.13	38.24	45.46

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	31.92
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	28.99
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.	36.71
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	33.24
M702	Interprets the division and multiplication of fractions	36.46
M705	Solves problems related to daily life situations involving rational numbers	31.99
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	34.85
M707	Adds/subtracts algebraic expressions	48.86
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	26.91
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	32.06
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	47.65
M721	Interprets data using bar graph	40.59
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	36.91
M802	Finds rational numbers between two given rational numbers	33.09
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	42.90
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	43.68
M808	Uses various algebraic identities in solving problems of daily life	44.26
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	37.10
M818	Finds surface area and volume of cuboidal and cylindrical object	30.29
M819	Draws and interprets bar charts and pie charts	42.77

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
563	41.31	440	32.28	289	21.20	71	5.21

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (26.91)
- 2 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (28.99)
- 3 - Finds surface area and volume of cuboidal and cylindrical object (30.29)

4 - Solves problems involving large numbers by applying appropriate operations (31.92)

5 - Solves problems related to daily life situations involving rational numbers (31.99)