



District Report Card: 2017


State: Maharashtra	District: Akola
Class: 8	Subject: Mathematics
Schools: 51	Students: 1354


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	692	51.11	662	48.89

AREA 	Rural		Urban	
	Number	%	Number	%
	787	58.12	567	41.88

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	339	25.04	48	3.55	580	42.84	387	28.58

CWSN 	LD	VI	HI	S&LD	ID	Oth
	1	13	2	4	2	24

Management 	Government		Government-aided	
	Number	%	Number	%
	103	7.61	1251	92.39

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
35.17	34.14	36.25	34.42	36.23	33.53	35.31	33.49	34.03	36.25	35.18

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	31.70
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	35.83
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.	30.04
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	37.98
M702	Interprets the division and multiplication of fractions	32.42
M705	Solves problems related to daily life situations involving rational numbers	27.70
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	32.67
M707	Adds/subtracts algebraic expressions	41.51
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	23.54
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.02
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	46.19
M721	Interprets data using bar graph	41.94
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.67
M802	Finds rational numbers between two given rational numbers	29.96
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	38.59
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	36.23
M808	Uses various algebraic identities in solving problems of daily life	39.51
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	36.72
M818	Finds surface area and volume of cuboidal and cylindrical object	31.24
M819	Draws and interprets bar charts and pie charts	37.44

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
589	43.50	524	38.70	195	14.40	46	3.40

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (23.54)
- 2 - Solves problems related to daily life situations involving rational numbers (27.70)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (28.02)

4 - Finds rational numbers between two given rational numbers (29.96)

5 - Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc. (30.04)