



District Report Card: 2017


State: Daman & Diu	District: Diu
Class: 8	Subject: Mathematics
Schools: 12	Students: 286


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	123		43.01		163		56.99	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	151		52.80		135		47.20	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	14	4.90	0	0.00	252	88.11	20	6.99

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

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	262		91.61	24		8.39

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
31.98	33.01	31.21	32.85	31.01	31.70	35.00	27.14	0.00	31.80	37.67

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	21.92
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	28.08
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.	26.39
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	29.45
M702	Interprets the division and multiplication of fractions	37.06
M705	Solves problems related to daily life situations involving rational numbers	32.87
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	13.57
M707	Adds/subtracts algebraic expressions	35.66
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	27.86
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	19.86
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	42.36
M721	Interprets data using bar graph	33.57
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	25.00
M802	Finds rational numbers between two given rational numbers	45.71
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	47.26
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	18.57
M808	Uses various algebraic identities in solving problems of daily life	48.57
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	21.06
M818	Finds surface area and volume of cuboidal and cylindrical object	32.14
M819	Draws and interprets bar charts and pie charts	43.71

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
158	55.24	93	32.52	21	7.34	14	4.90

Lowest Performing Learning Outcomes (LOs)

- 1 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (13.57)
- 2 - Finds squares, cubes, square roots and cube roots of numbers using different methods (18.57)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (19.86)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (21.06)
- 5 - Solves problems involving large numbers by applying appropriate operations (21.92)