



District Report Card: 2017


| | |
|-----------------------|-----------------------------|
| State: Gujarat | District: Mahisagar |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1263 |


Participation/Coverage


Students

| GENDER  | Boys | | Girls | |
|--|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 666 | 52.73 | 597 | 47.27 |

| AREA  | Rural | | Urban | |
|---|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 1125 | 89.07 | 138 | 10.93 |

| CATEGORY  | SC | | ST | | OBC | | GEN | |
|--|--------|------|--------|-------|--------|-------|--------|------|
| | Number | % | Number | % | Number | % | Number | % |
| | 64 | 5.07 | 501 | 39.67 | 577 | 45.68 | 121 | 9.58 |

| CWSN  | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
| | 6 | 1 | 1 | 0 | 3 | 7 |

| Management  | Government | | Government-aided | |
|--|------------|-------|------------------|------|
| | Number | % | Number | % |
| | 1209 | 95.72 | 54 | 4.28 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 53.87 | 52.94 | 54.91 | 52.53 | 64.78 | 54.73 | 34.57 | 48.75 | 54.04 | 55.99 | 45.79 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 54.29 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 60.79 |
| 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. | 59.54 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 55.08 |
| M702 | Interprets the division and multiplication of fractions | 49.25 |
| M705 | Solves problems related to daily life situations involving rational numbers | 41.57 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 58.77 |
| M707 | Adds/subtracts algebraic expressions | 64.53 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 49.61 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 43.17 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 56.74 |
| M721 | Interprets data using bar graph | 69.98 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 44.39 |
| M802 | Finds rational numbers between two given rational numbers | 53.55 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 52.54 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 63.03 |
| M808 | Uses various algebraic identities in solving problems of daily life | 60.03 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 46.22 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 34.91 |
| M819 | Draws and interprets bar charts and pie charts | 58.91 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|-------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 232 | 18.37 | 292 | 23.12 | 471 | 37.29 | 268 | 21.22 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (34.91)
- 2 - Solves problems related to daily life situations involving rational numbers (41.57)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (43.17)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (44.39)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (46.22)