



District Report Card: 2017


| | |
|-----------------------|-----------------------------|
| State: Gujarat | District: Morbi |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1161 |


Participation/Coverage


Students

| GENDER  | Boys | | Girls | |
|--|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 567 | 48.84 | 594 | 51.16 |

| AREA  | Rural | | Urban | |
|---|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 921 | 79.33 | 240 | 20.67 |

| CATEGORY  | SC | | ST | | OBC | | GEN | |
|--|--------|------|--------|------|--------|-------|--------|------|
| | Number | % | Number | % | Number | % | Number | % |
| | 94 | 8.10 | 29 | 2.50 | 942 | 81.14 | 96 | 8.27 |

| CWSN  | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
| | 1 | 0 | 0 | 1 | 2 | 3 |

| Management  | Government | | Government-aided | |
|--|------------|--------|------------------|------|
| | Number | % | Number | % |
| | 1161 | 100.00 | 0 | 0.00 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 47.70 | 48.11 | 47.31 | 48.09 | 46.22 | 47.70 | 0.00 | 40.57 | 51.03 | 48.25 | 48.26 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 39.26 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 46.65 |
| 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. | 48.76 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 47.18 |
| M702 | Interprets the division and multiplication of fractions | 41.52 |
| M705 | Solves problems related to daily life situations involving rational numbers | 39.36 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 40.30 |
| M707 | Adds/subtracts algebraic expressions | 62.62 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 38.95 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 43.49 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 57.03 |
| M721 | Interprets data using bar graph | 58.35 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 29.01 |
| M802 | Finds rational numbers between two given rational numbers | 55.14 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 52.11 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 49.24 |
| M808 | Uses various algebraic identities in solving problems of daily life | 57.34 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 44.07 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 28.84 |
| M819 | Draws and interprets bar charts and pie charts | 54.52 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 290 | 24.98 | 326 | 28.08 | 433 | 37.30 | 112 | 9.65 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (28.84)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (29.01)
- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (38.95)

4 - Solves problems involving large numbers by applying appropriate operations (39.26)

5 - Solves problems related to daily life situations involving rational numbers (39.36)