



District Report Card: 2017


| | |
|-----------------------|-----------------------------|
| State: Gujarat | District: Valsad |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1328 |


Participation/Coverage


Students

| GENDER  | Boys | | Girls | |
|--|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 625 | 47.06 | 703 | 52.94 |

| AREA  | Rural | | Urban | |
|---|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 1174 | 88.40 | 154 | 11.60 |

| CATEGORY  | SC | | ST | | OBC | | GEN | |
|--|--------|------|--------|-------|--------|-------|--------|------|
| | Number | % | Number | % | Number | % | Number | % |
| | 19 | 1.43 | 976 | 73.49 | 232 | 17.47 | 101 | 7.61 |

| CWSN  | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
| | 1 | 2 | 0 | 0 | 2 | 10 |

| Management  | Government | | Government-aided | |
|--|------------|-------|------------------|------|
| | Number | % | Number | % |
| | 1242 | 93.52 | 86 | 6.48 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 47.67 | 44.28 | 50.68 | 47.75 | 47.06 | 47.26 | 53.49 | 50.88 | 44.79 | 54.43 | 59.34 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 38.68 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 48.73 |
| 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. | 50.38 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 48.28 |
| M702 | Interprets the division and multiplication of fractions | 47.21 |
| M705 | Solves problems related to daily life situations involving rational numbers | 36.52 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 51.74 |
| M707 | Adds/subtracts algebraic expressions | 56.63 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 41.00 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 35.23 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 49.87 |
| M721 | Interprets data using bar graph | 59.46 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 38.58 |
| M802 | Finds rational numbers between two given rational numbers | 50.53 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 51.42 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 51.29 |
| M808 | Uses various algebraic identities in solving problems of daily life | 59.30 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 41.05 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 37.22 |
| M819 | Draws and interprets bar charts and pie charts | 57.00 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|-------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 365 | 27.48 | 340 | 25.60 | 459 | 34.56 | 164 | 12.35 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (35.23)
- 2 - Solves problems related to daily life situations involving rational numbers (36.52)
- 3 - Finds surface area and volume of cuboidal and cylindrical object (37.22)

- 4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (38.58)
- 5 - Solves problems involving large numbers by applying appropriate operations (38.68)