



District Report Card: 2017


| | |
|-----------------------|-----------------------------|
| State: Gujarat | District: Botad |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1375 |


Participation/Coverage


Students

| GENDER  | Boys | | Girls | |
|--|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 666 | 48.44 | 709 | 51.56 |

| AREA  | Rural | | Urban | |
|---|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 1141 | 82.98 | 234 | 17.02 |

| CATEGORY  | SC | | ST | | OBC | | GEN | |
|--|--------|------|--------|------|--------|-------|--------|------|
| | Number | % | Number | % | Number | % | Number | % |
| | 104 | 7.56 | 14 | 1.02 | 1212 | 88.15 | 45 | 3.27 |

| CWSN  | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
| | 0 | 1 | 0 | 0 | 4 | 3 |

| Management  | Government | | Government-aided | |
|--|------------|--------|------------------|------|
| | Number | % | Number | % |
| | 1375 | 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 |
| 55.14 | 52.76 | 57.38 | 55.00 | 55.84 | 55.14 | 0.00 | 53.27 | 52.86 | 55.21 | 58.22 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 45.13 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 55.16 |
| 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. | 57.38 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 55.75 |
| M702 | Interprets the division and multiplication of fractions | 49.45 |
| M705 | Solves problems related to daily life situations involving rational numbers | 42.25 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 58.54 |
| M707 | Adds/subtracts algebraic expressions | 61.24 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 45.91 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 44.69 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 64.98 |
| M721 | Interprets data using bar graph | 72.45 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 37.73 |
| M802 | Finds rational numbers between two given rational numbers | 58.25 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 57.52 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 58.82 |
| M808 | Uses various algebraic identities in solving problems of daily life | 68.87 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 50.95 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 38.59 |
| M819 | Draws and interprets bar charts and pie charts | 65.45 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|-------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 250 | 18.18 | 311 | 22.62 | 521 | 37.89 | 293 | 21.31 |

Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (37.73)

2 - Finds surface area and volume of cuboidal and cylindrical object (38.59)

3 - Solves problems related to daily life situations involving rational numbers (42.25)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (44.69)

5 - Solves problems involving large numbers by applying appropriate operations (45.13)