



District Report Card: 2017


| | |
|------------------------------|-----------------------------|
| State: Madhya Pradesh | District: Damoh |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1187 |


Participation/Coverage


Students

| | | | | |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys | | Girls | |
| | Number | % | Number | % |
| | 607 | 51.14 | 580 | 48.86 |

| | | | | |
|---|--------|-------|--------|------|
| <div>AREA</div> <div></div> | Rural | | Urban | |
| | Number | % | Number | % |
| | 1082 | 91.15 | 105 | 8.85 |

| | | | | | | | | |
|--|--------|-------|--------|-------|--------|-------|--------|------|
| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
| | Number | % | Number | % | Number | % | Number | % |
| | 270 | 22.75 | 155 | 13.06 | 704 | 59.31 | 58 | 4.89 |

| | | | | | | |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
| | 5 | 9 | 1 | 0 | 2 | 20 |

| | | | | |
|--|------------|-------|------------------|------|
| <div>Management</div> <div></div> | Government | | Government-aided | |
| | Number | % | Number | % |
| | 1142 | 96.21 | 45 | 3.79 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 41.35 | 40.46 | 42.29 | 42.05 | 34.16 | 41.35 | 41.48 | 40.20 | 40.17 | 42.07 | 41.15 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 37.58 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 52.81 |
| 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. | 45.62 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 39.90 |
| M702 | Interprets the division and multiplication of fractions | 38.58 |
| M705 | Solves problems related to daily life situations involving rational numbers | 38.33 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 42.88 |
| M707 | Adds/subtracts algebraic expressions | 51.14 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 35.33 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 27.65 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 47.74 |
| M721 | Interprets data using bar graph | 55.06 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 33.45 |
| M802 | Finds rational numbers between two given rational numbers | 35.51 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 50.83 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 55.23 |
| M808 | Uses various algebraic identities in solving problems of daily life | 38.59 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 34.12 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 24.01 |
| M819 | Draws and interprets bar charts and pie charts | 36.48 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 411 | 34.63 | 376 | 31.68 | 341 | 28.73 | 59 | 4.97 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (24.01)
- 2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (27.65)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (33.45)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (34.12)
- 5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (35.33)