



District Report Card: 2017


| | |
|-----------------------------|--------------------------------|
| State: Uttar Pradesh | District: Muzaffarnagar |
| Class: 8 | Subject: Mathematics |
| Schools: 50 | Students: 638 |


Participation/Coverage


Students

| | | | | | | | | |
|--|--------|--|-------|--|--------|--|-------|--|
| <div>GENDER</div> <div></div> | Boys | | | | Girls | | | |
| | Number | | % | | Number | | % | |
| | 403 | | 63.17 | | 235 | | 36.83 | |

| | | | | | | | | |
|---|--------|--|-------|--|--------|--|-------|--|
| <div>AREA</div> <div></div> | Rural | | | | Urban | | | |
| | Number | | % | | Number | | % | |
| | 373 | | 58.46 | | 265 | | 41.54 | |

| | | | | | | | | |
|--|--------|-------|--------|------|--------|-------|--------|-------|
| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
| | Number | % | Number | % | Number | % | Number | % |
| | 162 | 25.39 | 0 | 0.00 | 369 | 57.84 | 107 | 16.77 |

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

| | | | | | | |
|--|------------|--|-------|------------------|--|-------|
| <div>Management</div> <div></div> | Government | | | Government-aided | | |
| | Number | | % | Number | | % |
| | 479 | | 75.08 | 159 | | 24.92 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 34.97 | 37.44 | 30.75 | 35.94 | 33.61 | 37.17 | 28.34 | 37.04 | 0.00 | 33.41 | 37.26 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 39.27 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 38.97 |
| 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. | 36.22 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 37.16 |
| M702 | Interprets the division and multiplication of fractions | 31.97 |
| M705 | Solves problems related to daily life situations involving rational numbers | 28.53 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 36.81 |
| M707 | Adds/subtracts algebraic expressions | 39.66 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 24.43 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 41.09 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 43.76 |
| M721 | Interprets data using bar graph | 46.91 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 24.10 |
| M802 | Finds rational numbers between two given rational numbers | 35.83 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 49.85 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 44.30 |
| M808 | Uses various algebraic identities in solving problems of daily life | 36.16 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 25.90 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 16.61 |
| M819 | Draws and interprets bar charts and pie charts | 29.00 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 314 | 49.22 | 151 | 23.67 | 148 | 23.20 | 25 | 3.92 |

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (16.61)

2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (24.10)

- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (24.43)
- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (25.90)
- 5 - Solves problems related to daily life situations involving rational numbers (28.53)