



District Report Card: 2017


| | |
|-----------------------------|-----------------------------|
| State: Uttar Pradesh | District: Mahoba |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1090 |


Participation/Coverage


Students

| | | | | |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys | | Girls | |
| | Number | % | Number | % |
| | 499 | 45.78 | 591 | 54.22 |

| | | | | |
|---|--------|-------|--------|------|
| <div>AREA</div> <div></div> | Rural | | Urban | |
| | Number | % | Number | % |
| | 1021 | 93.67 | 69 | 6.33 |

| | | | | | | | | |
|--|--------|-------|--------|------|--------|-------|--------|------|
| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
| | Number | % | Number | % | Number | % | Number | % |
| | 310 | 28.44 | 5 | 0.46 | 686 | 62.94 | 89 | 8.17 |

| | | | | | | |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
| | 0 | 0 | 0 | 2 | 3 | 0 |

| | | | | |
|--|------------|-------|------------------|------|
| <div>Management</div> <div></div> | Government | | Government-aided | |
| | Number | % | Number | % |
| | 995 | 91.28 | 95 | 8.72 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 37.97 | 38.72 | 37.34 | 38.59 | 28.79 | 37.98 | 37.82 | 41.29 | 20.00 | 36.77 | 36.63 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 42.14 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 41.25 |
| 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. | 42.12 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 33.75 |
| M702 | Interprets the division and multiplication of fractions | 33.39 |
| M705 | Solves problems related to daily life situations involving rational numbers | 38.17 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 40.57 |
| M707 | Adds/subtracts algebraic expressions | 47.89 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 31.32 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 34.64 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 41.27 |
| M721 | Interprets data using bar graph | 44.53 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 27.17 |
| M802 | Finds rational numbers between two given rational numbers | 35.66 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 52.68 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 49.81 |
| M808 | Uses various algebraic identities in solving problems of daily life | 32.08 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 32.24 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 22.08 |
| M819 | Draws and interprets bar charts and pie charts | 32.29 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 455 | 41.74 | 309 | 28.35 | 261 | 23.94 | 65 | 5.96 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (22.08)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (27.17)
- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (31.32)

4 - Uses various algebraic identities in solving problems of daily life (32.08)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (32.24)