



District Report Card: 2017


| | |
|-----------------------------|---------------------------------|
| State: Uttar Pradesh | District: Siddharthnagar |
| Class: 8 | Subject: Mathematics |
| Schools: 50 | Students: 1005 |


Participation/Coverage


Students

| | | | | |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys | | Girls | |
| | Number | % | Number | % |
| | 486 | 48.36 | 519 | 51.64 |

| | | | | |
|---|--------|-------|--------|------|
| <div>AREA</div> <div></div> | Rural | | Urban | |
| | Number | % | Number | % |
| | 938 | 93.33 | 67 | 6.67 |

| | | | | | | | | |
|--|--------|-------|--------|------|--------|-------|--------|-------|
| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
| | Number | % | Number | % | Number | % | Number | % |
| | 241 | 23.98 | 8 | 0.80 | 590 | 58.71 | 166 | 16.52 |

| | | | | | | |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
| | 0 | 1 | 8 | 0 | 0 | 34 |

| | | | | |
|--|------------|-------|------------------|-------|
| <div>Management</div> <div></div> | Government | | Government-aided | |
| | Number | % | Number | % |
| | 705 | 70.15 | 300 | 29.85 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 41.04 | 42.43 | 39.74 | 41.24 | 38.21 | 41.13 | 40.82 | 36.18 | 33.33 | 43.50 | 39.72 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 43.62 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 54.12 |
| 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. | 48.63 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 36.42 |
| M702 | Interprets the division and multiplication of fractions | 37.11 |
| M705 | Solves problems related to daily life situations involving rational numbers | 48.46 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 42.77 |
| M707 | Adds/subtracts algebraic expressions | 55.42 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 45.47 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 41.36 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 48.22 |
| M721 | Interprets data using bar graph | 42.39 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 36.99 |
| M802 | Finds rational numbers between two given rational numbers | 40.08 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 49.59 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 51.06 |
| M808 | Uses various algebraic identities in solving problems of daily life | 27.75 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 32.60 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 9.83 |
| M819 | Draws and interprets bar charts and pie charts | 20.70 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 374 | 37.21 | 283 | 28.16 | 283 | 28.16 | 65 | 6.47 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (9.83)
- 2 - Draws and interprets bar charts and pie charts (20.70)
- 3 - Uses various algebraic identities in solving problems of daily life (27.75)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (32.60)
- 5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (36.42)