



District Report Card: 2017


| | |
|-----------------------------|-----------------------------|
| State: Uttar Pradesh | District: Sitapur |
| Class: 8 | Subject: Mathematics |
| Schools: 49 | Students: 893 |


Participation/Coverage


Students

| <div>GENDER</div> <div></div> | Boys | | Girls | |
|--|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 701 | 78.50 | 192 | 21.50 |

| <div>AREA</div> <div></div> | Rural | | Urban | |
|---|--------|-------|--------|------|
| | Number | % | Number | % |
| | 839 | 93.95 | 54 | 6.05 |

| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
|--|--------|------|--------|-------|--------|------|--------|------|
| | Number | % | Number | % | Number | % | Number | % |
| | 34 | 3.81 | 823 | 92.16 | 26 | 2.91 | 10 | 1.12 |

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

| <div>Management</div> <div></div> | Government | | Government-aided | |
|--|------------|-------|------------------|-------|
| | Number | % | Number | % |
| | 314 | 35.16 | 579 | 64.84 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 35.06 | 35.44 | 33.68 | 36.01 | 20.25 | 34.03 | 35.61 | 29.02 | 35.59 | 26.67 | 34.00 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 36.77 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 45.07 |
| 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. | 38.83 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 34.98 |
| M702 | Interprets the division and multiplication of fractions | 34.04 |
| M705 | Solves problems related to daily life situations involving rational numbers | 31.13 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 33.33 |
| M707 | Adds/subtracts algebraic expressions | 48.04 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 31.10 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 23.32 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 37.49 |
| M721 | Interprets data using bar graph | 50.78 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 23.27 |
| M802 | Finds rational numbers between two given rational numbers | 33.33 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 48.65 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 57.05 |
| M808 | Uses various algebraic identities in solving problems of daily life | 33.78 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 28.16 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 14.09 |
| M819 | Draws and interprets bar charts and pie charts | 23.18 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 437 | 48.94 | 206 | 23.07 | 226 | 25.31 | 24 | 2.69 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (14.09)
- 2 - Draws and interprets bar charts and pie charts (23.18)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (23.27)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (23.32)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (28.16)