



District Report Card: 2017


| | |
|-------------------------|-----------------------------|
| State: Telangana | District: NIRMAL |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1340 |


Participation/Coverage


Students

| GENDER  | Boys | | Girls | |
|--|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 574 | 42.84 | 766 | 57.16 |

| AREA  | Rural | | Urban | |
|--|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 1186 | 88.51 | 154 | 11.49 |

| CATEGORY  | SC | | ST | | OBC | | GEN | |
|--|--------|-------|--------|-------|--------|-------|--------|------|
| | Number | % | Number | % | Number | % | Number | % |
| | 291 | 21.72 | 186 | 13.88 | 732 | 54.63 | 131 | 9.78 |

| CWSN  | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
| | 0 | 2 | 0 | 0 | 0 | 3 |

| MANAGEMENT  | Government | | Government-aided | |
|--|------------|-------|------------------|------|
| | Number | % | Number | % |
| | 1338 | 99.85 | 2 | 0.15 |

Average Performance of Students in EVS (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 39.96 | 38.40 | 41.13 | 39.07 | 46.84 | 40.00 | 16.67 | 36.75 | 45.34 | 39.29 | 43.21 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 38.13 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 41.10 |
| 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. | 39.33 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 41.69 |
| M702 | Interprets the division and multiplication of fractions | 36.57 |
| M705 | Solves problems related to daily life situations involving rational numbers | 40.15 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers. | 31.68 |
| M707 | Adds/subtracts algebraic expressions | 42.01 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 30.33 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/ graph sheet | 38.28 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 54.03 |
| M721 | Interprets data using bar graph such as consumption of electricity is more in winters than summer | 50.30 |
| M801 | Generalises properties of addition, subtraction, multiplication and division of rational numbers through patterns | 30.48 |
| M802 | Finds rational numbers between two given rational numbers | 36.19 |
| M803 | Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11 | 47.63 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods. | 44.44 |
| M808 | Use various algebraic identities in solving problems of daily life. | 51.05 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 31.42 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 33.03 |
| M819 | Draws and interprets bar charts and pie charts | 36.87 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 501 | 37.39 | 443 | 33.06 | 295 | 22.01 | 101 | 7.54 |

Lowest Performing Learning Outcomes (LOs)

1. Solves problems related to conversion of percentage to fraction and decimal and vice versa (30.33)
2. Generalises properties of addition, subtraction, multiplication and division of rational numbers through patterns (30.48)
3. Verifies properties of parallelogram and establishes the relationship between them through reasoning (31.42)
4. Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers. (31.68)
5. Solves problems related to conversion of percentage to fraction and decimal and vice versa (33.03)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment;
S&LD- Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.