



District Report Card: 2017


| | |
|----------------------------|-----------------------------|
| State: Chhattisgarh | District: Koriya |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1089 |


Participation/Coverage


Students

| | | | | | | | | |
|--|--------|--|-------|--|--------|--|-------|--|
| <div>GENDER</div> <div></div> | Boys | | | | Girls | | | |
| | Number | | % | | Number | | % | |
| | 530 | | 48.67 | | 559 | | 51.33 | |

| | | | | | | | | |
|---|--------|--|-------|--|--------|--|-------|--|
| <div>AREA</div> <div></div> | Rural | | | | Urban | | | |
| | Number | | % | | Number | | % | |
| | 892 | | 81.91 | | 197 | | 18.09 | |

| | | | | | | | | |
|--|--------|------|--------|-------|--------|-------|--------|------|
| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
| | Number | % | Number | % | Number | % | Number | % |
| | 105 | 9.64 | 613 | 56.29 | 342 | 31.40 | 29 | 2.66 |

| | | | | | | |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
| | 5 | 3 | 0 | 1 | 1 | 1 |

| | | | | | | |
|--|------------|--|-------|------------------|--|------|
| <div>Management</div> <div></div> | Government | | | Government-aided | | |
| | Number | | % | Number | | % |
| | 1069 | | 98.16 | 20 | | 1.84 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 35.18 | 35.51 | 34.86 | 34.57 | 37.90 | 34.49 | 72.00 | 34.92 | 33.82 | 37.80 | 33.79 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 36.87 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 35.94 |
| 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. | 36.10 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 29.24 |
| M702 | Interprets the division and multiplication of fractions | 33.52 |
| M705 | Solves problems related to daily life situations involving rational numbers | 32.05 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 33.70 |
| M707 | Adds/subtracts algebraic expressions | 47.75 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 30.62 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 37.06 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 45.08 |
| M721 | Interprets data using bar graph | 44.93 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 26.99 |
| M802 | Finds rational numbers between two given rational numbers | 25.72 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 41.15 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 38.95 |
| M808 | Uses various algebraic identities in solving problems of daily life | 32.25 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 27.43 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 17.21 |
| M819 | Draws and interprets bar charts and pie charts | 36.36 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 531 | 48.76 | 313 | 28.74 | 187 | 17.17 | 58 | 5.33 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (17.21)
- 2 - Finds rational numbers between two given rational numbers (25.72)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (26.99)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (27.43)
- 5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (29.24)