

Mathematics Grade 4 Curriculum



Sessions 1 to 35



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Sessions 1 - 13



Number Systems

- Recap
- Understand Place Values in Numbers up to 6 Digits
- RDP Session(Revision, Doubt and Practice Session)** 
- Compare and Order Numbers up to 6 Digits
- Round off Multi-digit Numbers to any Place
- Represent Roman Numerals up to 39
- RDP Session(Revision, Doubt and Practice Session)** 
- Checkpoint Assessment-1** 

Sessions 14 - 25



Arithmetic Operations

- RECAP: Add and subtract numbers up to 4 digits
- Add and subtract numbers up to 7 digits
- Multiply numbers up to 7 digits
- RDP Session(Revision, Doubt and Practice Session)** 
- Divide numbers up to 7 digits
- Understand properties and perform mental arithmetic operations (7-Digit Numbers)
- Identify the operators and understand BODMAS (7-Digit Numbers)
- RDP Session(Revision, Doubt and Practice Session)** 
- Understand and apply estimation (7-Digit Numbers)
- Identify patterns in Arithmetic Operations (7-Digit Numbers)
- RDP Session(Revision, Doubt and Practice Session)** 
- Checkpoint Assessment-2** 

Sessions 26 - 35



Factors, Multiples, and Primes

- Understand multiples and factors
- Understand properties of multiples and factors
- Understand and apply LCM and HCF
- RDP Session(Revision, Doubt and Practice Session)** 
- Understand prime and composite numbers
- Understand and apply prime factorization
- Understand the concept of divisibility and properties
- Perform divisibility tests for 2, 3, 4, 5, 9 and 10
- Apply divisibility tests
- RDP Session(Revision, Doubt and Practice Session)** 
- Checkpoint Assessment-3** 

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Sessions 36 - 59



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Sessions 36 - 45

$\frac{2}{3}$ Fractions

- Find fractions of a whole
- Understand like fractions and add and subtract them
- Understand and write equivalent fractions
- Understand lowest form of a fraction
- RDP Session(Revision, Doubt and Practice Session)** 
- Identify improper and mixed fractions
- Convert fractions and represent fractions on the number line
- Add and subtract mixed fractions
- RDP Session(Revision, Doubt and Practice Session)** 
- Checkpoint Assessment-4** 

Sessions 46 - 52

$.00$ An Introduction to Decimal Numbers

- Understand decimal numbers, their expanded form and conversion to fractions
- Work with numbers up to 3 decimal places and write decimals in words
- RDP Session(Revision, Doubt and Practice Session)** 
- Convert proper and improper fractions to decimals
- Understand the significance of zeros at the end of decimal numbers
- RDP Session(Revision, Doubt and Practice Session)**
- Checkpoint Assessment-5** 

Sessions 53 - 59

Time

- RECAP: Read time off the clock
- Read time past an hour, to an hour, and understand the 24-hour format
- Convert between hours, minutes, and seconds
- RDP Session(Revision, Doubt and Practice Session)** 
- Perform operations on time
- Convert between weeks and days and understand terms like leap year, a decade and a century
- RDP Session(Revision, Doubt and Practice Session)** 
- Checkpoint Assessment-6** 

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Sessions 60 - 96



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Sessions 60 - 65



Lines and Angles

- Understand Angles and their Classification
- Measure, Estimate and Construct Angles
- **RDP Session(Revision, Doubt and Practice Session)** 
- Understand Polygons and their Types
- Understand Circles and Solid Shapes
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-7** 

Sessions 66 - 74



Measurement

- Convert units of length and solve numerical and word problems on length
- Convert units of weight and solve numerical and word problems on weight
- Convert units of capacity and solve word problems on capacity
- **RDP Session(Revision, Doubt and Practice Session)** 
- Work on perimeter of rectangles and squares
- Work on area of rectangles and squares
- Apply the concept of area and perimeter to problems
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-8** 

Sessions 75 - 78



Data Handling

- Interpret and draw pictographs and scaled pictographs
- Interpret bar graphs and pie charts
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-9** 

Sessions 79 - 83



Money

- Compare and convert between rupee and paise
- Perform all 4 operations with amounts
- Solve problems involving debit cards, discounts and annas
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-10** 

Sessions 84



Final Assessment

Sessions 85 - 96



Vedic Maths

- Multiplication trick of numbers near 10
- Multiplication of numbers just above 100
- Multiplication trick of 2 digit numbers
- Mental subtraction trick from 100 and 1000
- Multiplication by 9, 99 and 999
- Squares of numbers ending with 5
- Multiplication tables(Up to 99)
- Division by 11 using subtraction
- Division by 12 using subtraction
- Introduction to digit sum
- Answer check method of addition and subtraction



Mental Ability/ Logical Reasoning

- Logical Reasoning
- Inserting the Missing Character
- Mirror Image
- Calendar
- Alphabet Test
- Break The Code