Paresh — **this is 100% possible**.
Even if you start from **Class-1 level**, in **3 months** you can reach **intermediate math**, enough for:
✔ Statistics for Data Engineering
✔ Probability
✔ ML basics (mean, variance, derivatives intuition)
✔ Logical reasoning
✔ Word problems
✔ Quantitative aptitude
I'll give you a **clear 3-month roadmap**, starting literally from Class-1 math (numbers, counting), and slowly rising to statistics + ML-level math.
This plan is for someone who feels **weak in math**, but is serious about becoming strong.

❓ 3-MONTH MATH ROADMAP

From Class-1 Level → Intermediate → ML-ready math
🔹 **Daily study time: 1–1.5 hours**
🔹 **Weekly test + revision** included
🔹 Fully beginner-friendly

📘 MONTH 1 — CLASS 1 TO CLASS 5 LEVEL (FOUNDATION)

🎯 Goal: Become strong in the basics (numbers → arithmetic → fractions → decimals)

WEEK 1 — Class 1–2 Basics

- Counting (1–1000)
- Place value: units, tens, hundreds, thousands
- Greater than / less than
- Number line
- Odd & even numbers
- Basic addition & subtraction
  Outcome: You understand numbers confidently.

WEEK 2 — Class 3 Basics

- Addition with carry
- Subtraction with borrowing
- Multiplication (2×1, 2×2, 3×2)
- Division basics (long division)
- Word problems (very easy)

Outcome: You become stable with + - × ÷

WEEK 3 — Class 4 Basics

- Fractions
  - Proper / improper
  - Equivalent fractions
  - Converting fractions ↔ decimals
- Basic decimals
  - 0.25, 0.10, etc
- Multiplying decimals
- Dividing decimals

Outcome: You understand the core of all math: **fractions + decimals**

WEEK 4 — Class 5 Basics

- Percentage
  - 10%, 20%, 30%, 50%, 100%
  - Convert % ↔ fraction ↔ decimal
- Ratio & proportion
- Basic average
- Speed–distance–time (simple version)

Outcome: You reach *everyday math level*, strong enough for analytics.

📓 MONTH 2 — CLASS 6 TO CLASS 10 LEVEL (UPPER FOUNDATION)

🎯 **Goal: Prepare for statistics + ML foundation**

WEEK 5 — Arithmetic Mastery

- Factors & multiples
- LCM / HCF
- Prime numbers
- More division, word problems

WEEK 6 — Pre-Algebra

- Introduction to algebra
  - what is x?
  - solving simple equations
- Basics of expressions
- Simple linear equations
  - 2x + 5 = 15

- $3x - 4 = 8$

Outcome: You start logical mathematical thinking.

WEEK 7 — Geometry Basics

(ONLY the parts needed for ML/statistics)

- Area
- Perimeter
- Coordinate plane (x, y basics)
- Distance between 2 points (very basic)
  No heavy geometry.

WEEK 8 — Statistics Foundation (Class 8–9 level)

THIS IS IMPORTANT FOR ML + DATA ENGINEERING:

- Mean
- Median
- Mode
- Range
- Frequency tables
- Basic graphs: bar, line, histogram

Outcome: You are ready to enter real statistics.

🔲 MONTH 3 — ML MATH LEVEL (INTERMEDIATE)

🎯 Goal: Learn math needed for Machine Learning & Analytics

This is where real growth happens.

WEEK 9 — Probability Basics

- Experiment, sample space
- Outcomes
- Simple probability
  - e.g., dice, coins
- Independent vs. dependent events

Outcome: Probability intuition.

WEEK 10 — Algebra for ML

- Linear equations
- Systems of equations
- Basics of functions
  - f(x) notation

- Slope of a line (very important in ML)
- Intercept
- Graph intuition

Outcome: Understanding line equations → needed for Linear Regression.

WEEK 11 — Statistics for ML

- Variance
- Standard deviation
- Z-score
- Outliers
- Normal distribution
- Skewness
- Sample vs population
- Covariance
- Correlation

Outcome: Real ML foundation is built here.

WEEK 12 — ML Math Basics

(You don't need heavy calculus — only intuition)

- Gradient (concept only)
- Derivative meaning (simple explanation)
- Optimization: what is minimization?
- Cost function concept
- Linear Regression math
- Logistic Regression basics
- Matrix basics (used in ML)
    - rows, columns
    - matrix addition
    - matrix multiplication (small examples)

Outcome: You reach **intermediate math**, fully ready for ML basics & data engineering logic.

🎯 AFTER 3 MONTHS YOU WILL ACHIEVE

✔ Confident with all basic math
✔ Ready for statistics and ML
✔ Can solve average/percentage/fractions fast
✔ Understand probability
✔ Comfortable with algebra
✔ Strong for Data Engineering logic
✔ Ready for SQL + ETL + analytics interview math
✔ Can study ML without fear