

🧠 Mental Math for LAT Test

This repository is a **quick preparation guide for Mental Math** required in the **LAT (Law Admission Test)**.

It focuses on **speed, accuracy, and shortcut methods** commonly tested in LAT exams.

📌 Topics Covered

📊 Percentages

- 10%, 5%, 20%, 25%, 50%
- Percentage increase & decrease
- Converting fractions to percentages

Example:

15% of 200

→ $10\% = 20$

→ $5\% = 10$

→ **Answer = 30**

➕➖ Fast Addition & Subtraction

- Rounding method
- Complement technique (near 100, 1000)

Example:

$$498 + 37 = (500 + 37) - 2 = \mathbf{535}$$

✖ Multiplication Shortcuts

- $\times 5 \rightarrow \times 10 \div 2$
- $\times 9 \rightarrow \times 10 - \text{number}$
- $\times 11$ (two-digit trick)

Example:

$$36 \times 9 = 360 - 36 = \mathbf{324}$$

÷ Division Tricks

- $\div 10, \div 100$ (decimal shift)

- $\div 5 \rightarrow \times 2 \div 10$

****Example:****

$$60 \div 5 = \mathbf{12}$$

📊 Fractions & Ratios

- $\frac{1}{2} = 0.5$

- $\frac{1}{4} = 0.25$

- $\frac{3}{4} = 0.75$

- $\frac{1}{5} = 20\%$

****Example:****

$$\frac{3}{4} \text{ of } 80 = \mathbf{60}$$

🕒 Exam Strategy

- Avoid long calculations
- Estimate when options are far apart
- Eliminate incorrect options first
- Manage time carefully

📝 Practice Plan

- Tables (1–15)
- Daily 10–15 minutes mental practice
- LAT-style MCQs
- Speed-based problem solving

🎯 Goal

To help LAT aspirants ****solve math questions mentally****, quickly, and confidently.

📖 Recommended Use

- Last-minute revision
- Daily practice
- Self-assessment

🌟 Good Luck with Your LAT Preparation!