

## # 🧠 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.

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### ## 💎 Topics Covered

#### ### 12 34 Percentages

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

\*\*Example:\*\*

$$\begin{aligned}15\% \text{ of } 200 \\ \rightarrow 10\% = 20 \\ \rightarrow 5\% = 10 \\ \rightarrow \text{Answer} = 30\end{aligned}$$

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#### ### + - Fast Addition & Subtraction

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

\*\*Example:\*\*

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

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#### ### ✖ Multiplication Shortcuts

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

\*\*Example:\*\*

$$36 \times 9 = 360 - 36 = \text{**324**}$$

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#### ### ÷ Division Tricks

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

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

**\*\*Example:\*\***

$60 \div 5 = \text{**}12\text{**}$

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### ### Fractions & Ratios

- $\frac{1}{2} = 0.5$
- $\frac{1}{4} = 0.25$
- $\frac{3}{4} = 0.75$
- $1/5 = 20\%$

**\*\*Example:\*\***

$\frac{3}{4}$  of 80 = **\*\*60\*\***

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### ## Exam Strategy

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

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### ## Practice Plan

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

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### ## Goal

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

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### ## Recommended Use

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

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###  Good Luck with Your LAT Preparation!