



प्रवर्तना दैर्घ्य 2025



१९९८

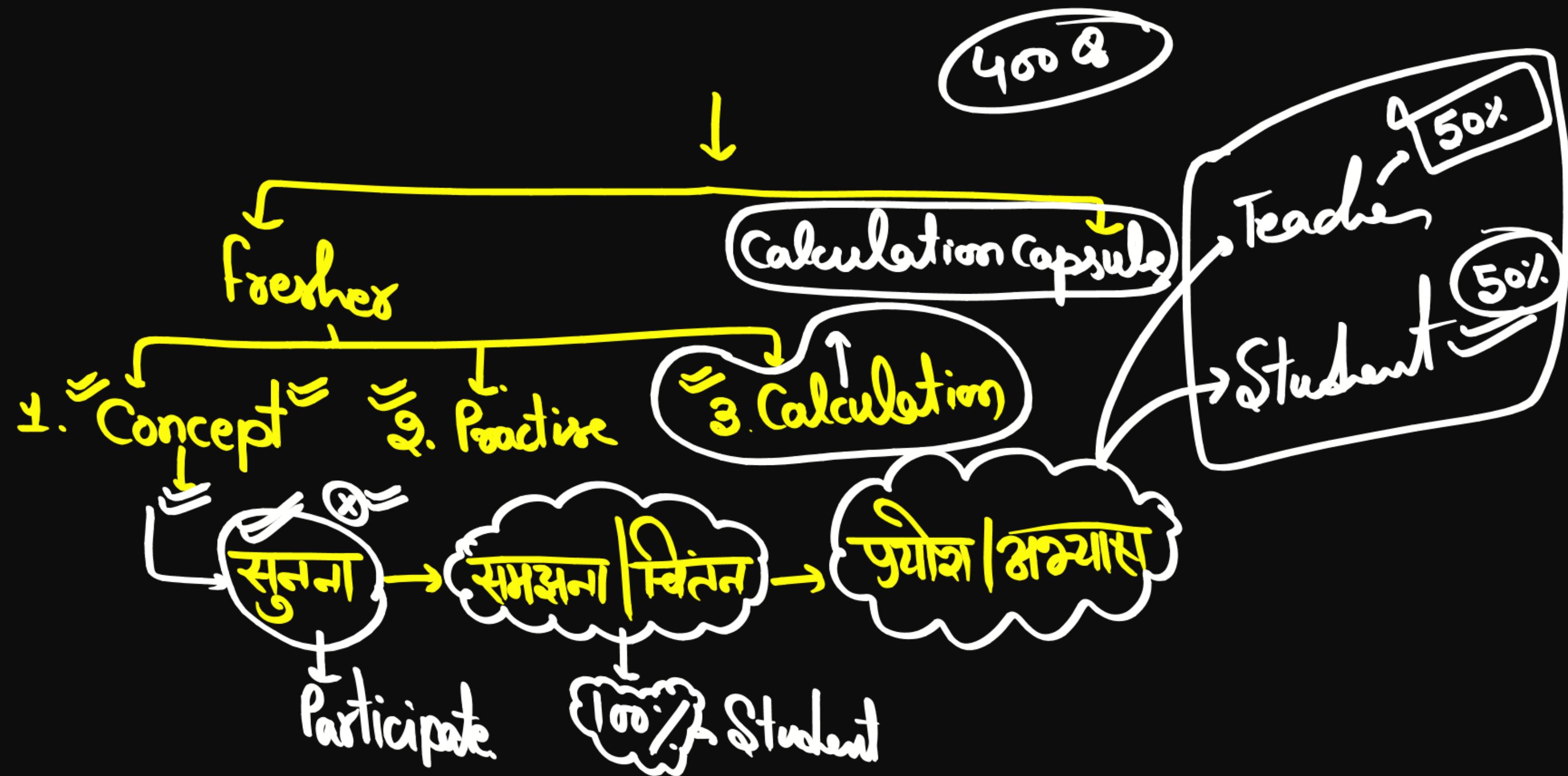
१५११२ → मैट्रिक्स

MATHS PERCENTAGE

SELECTION पक्षपात्र !

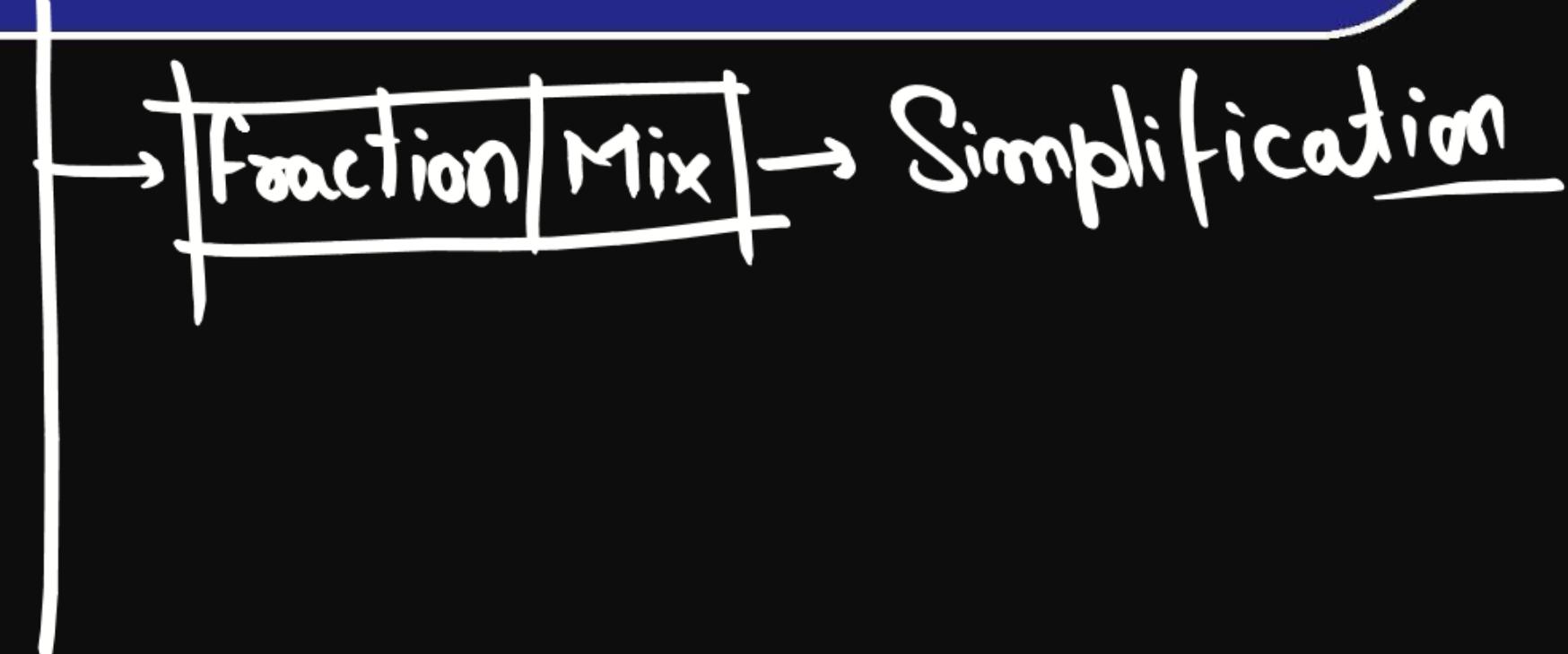
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PERCENTAGE

(प्रतिशत्ता)



Mix-Fraction

संघीय पूर्णांक शिव्यन
↓

N + F
↓ ↓
Natural Number शिव्यन | fraction
पूर्णांक संख्या

$$2 \times 3 \Rightarrow 2 \cdot 3$$

$$2 + 0.3 \Rightarrow 2, 3$$

$$\frac{38}{7} = 5 + \frac{3}{7} = 5\frac{3}{7}$$

$$\begin{array}{r} 40 \\ \overline{)3} \end{array} \rightarrow 13 \frac{0}{3} R \Rightarrow 13 + \frac{1}{3}$$

ગાળક
Divisor

$$\begin{array}{r} 3 \overline{)40} \\ -39 \\ \hline 0 \end{array} \text{ (13 → ગાળક / Quotient)} \\ \text{ (0 → શેષટાન / Remainder)}$$

$$\frac{14}{29} \rightarrow \frac{7}{29}$$

$$6 + \frac{7}{2}$$

$$6 + 3\frac{1}{2}$$

$$9\frac{1}{2}$$

1. $6\frac{14}{42}R$

$$12) \overline{109} \quad 9$$
$$\underline{-108}$$
$$\underline{\underline{1}}$$

$$2.11 \frac{109}{12}^R$$

\times_D

$$11 + 9 \frac{1}{12}$$
$$20 \frac{1}{12}$$

$$\begin{array}{r} 16 \overline{)121} (7 \\ -112 \\ \hline 9 \end{array}$$

3. $7 \frac{121}{16}$

$$7 + 7 \frac{9}{16}$$

$$14 \frac{9}{16}$$

$$4. \quad 10\frac{29}{3}$$

$$10 + 9 + \frac{2}{3}$$

$$19 + \frac{2}{3}$$

$$19\frac{2}{3}$$

5. $14\frac{37}{7}$

$14 + 5\frac{2}{7}$

$19\frac{2}{7}$

6. $123\frac{67}{23}$

$$\begin{array}{r} 23) \overline{67} \\ \underline{-46} \\ \hline 21 \\ \hline \end{array} =$$

$$123 + 2\frac{21}{23}$$

$$125\frac{21}{23}$$

7. $29\frac{107}{13}$

$$8 \frac{3}{13}$$

$$37 \frac{3}{13}$$

8. $47\frac{64}{9}$

$\curvearrowright 7 \frac{1}{9}$

$$54\frac{1}{9}$$

9. $63\frac{19}{3}$

$$63 + 6 \frac{1}{3}$$

$$68\frac{1}{3}$$

10. $140\frac{43}{6}$

$\rightarrow 7\frac{1}{6}$

147 $\frac{1}{6}$

11. $56\frac{7}{3}$

$2\frac{1}{2}$

$$58\frac{1}{3}$$

$$1 - \frac{3}{10} = \frac{7}{10}$$

$$1 - \frac{N}{D}$$
$$\frac{D-N}{D}$$

$$12. \quad 1 - \frac{3}{4} \Rightarrow \frac{1}{4}$$

$$13. \quad 1 - \frac{13}{19} \Rightarrow \frac{6}{19}$$

$$14. \quad 1 - \frac{3}{52} \Rightarrow \frac{49}{52}$$

$$15. \quad 1 - \frac{101}{103} \rightarrow \frac{2}{103}$$

16. $4 - \frac{1}{5} = 3\frac{4}{5}$

$$\begin{array}{r} 3 + \frac{1}{5} \\ \hline 3\frac{4}{5} \end{array}$$

$$17. \quad 18 - \frac{8}{9} = 17\frac{1}{9}$$

$$17 + 1$$

18. $37 - \frac{4}{97}$

$$36 \frac{93}{97}$$

$$19. \quad 149 - \frac{45}{49}$$

$$148 \frac{4}{49}$$

$$20. \quad 1193 - \frac{3}{50}$$

$$1192\frac{47}{50}$$

$$21. \quad 1193 - \frac{3}{50}$$

$$22. \quad 3191 - \frac{7}{351}$$

$$3190 \frac{344}{351}$$

$$120 - 7\frac{1}{9}$$

$$120 - \left[7 + \frac{1}{9} \right]$$

$$120 - 7 - 1 + 1 - \frac{1}{9}$$

$$112\frac{8}{9}$$

23. **120 - 7 $\frac{1}{9}$**

$$112\frac{8}{9}$$

$$24. \quad 137 - 6\frac{5}{11}$$

$$130\frac{6}{11}$$

$$25. \quad 13\cancel{7}3 - 3 \frac{5}{17}$$

$$1369 \frac{12}{17}$$

$$26. \quad \begin{array}{r} 617 \\ - 312 \\ \hline \end{array} \quad \begin{array}{l} 5 \\ \curvearrowleft \end{array}$$

$$305 \frac{46}{51}$$

27.
$$\begin{array}{r} 1377 \\ - 377 \\ \hline 1000 \end{array}$$

$$- 376 \frac{3}{11}$$

The subtraction problem is shown with a horizontal line separating the minuend (1377) from the subtrahend (377). A circled '3' is above the tens column, and a circled '11' is below the ones column, indicating a borrowing step.

The result is 1000 with a remainder of 8, written as $1000\frac{8}{11}$.

$$28. \quad 2103 - 101 \frac{377}{499}$$

$$2001 \frac{122}{499}$$

$$29. \quad 6637 - 8\frac{1}{3}$$

$$6628\frac{2}{3}$$

M - f

Mix-fraction

The word "Mix-fraction" is written in white on a black background. Three arrows point from this text to three separate mathematical expressions, each enclosed in a white checkmark. The first expression is m/f . The second expression is $1 - \frac{N}{D}$, with a small 'x' next to it. The third expression is $A - \frac{N}{D}$. Below these three is another expression: $A - \frac{N}{Z}$, also enclosed in a white checkmark.

$$m/f \checkmark$$
$$1 - \frac{N}{D} \times \checkmark$$
$$A - \frac{N}{D} \checkmark$$
$$A - \frac{N}{Z} \checkmark$$