

RAILWAY EXAM 2018



MATHS

SIMPLIFICATION

CLASS

2



Multiplication Tricks

$$5^n \times 2^n = 10^n$$

Ex: $548 \times 125 + 432 \times 25 = ?$

Multiplication Tricks

Multiply By 11, 12

Multiplication Tricks

Multiplication number near 100

Ex: $106 \times 106 + 94 \times 94 = ?$

Multiplication Tricks

Multiplication of a number with 9, 99, 999...

Ex: $3489 \times 9999 = ?$

Ex: $3 \times 0.3 \times 0.03 \times 0.003 \times 30 = ?$

Ex: If $25 \times 32 = 800$ then $2.5 \times 0.32 = ?$

यदि $25 \times 32 = 800$ तो $2.5 \times 0.32 = ?$

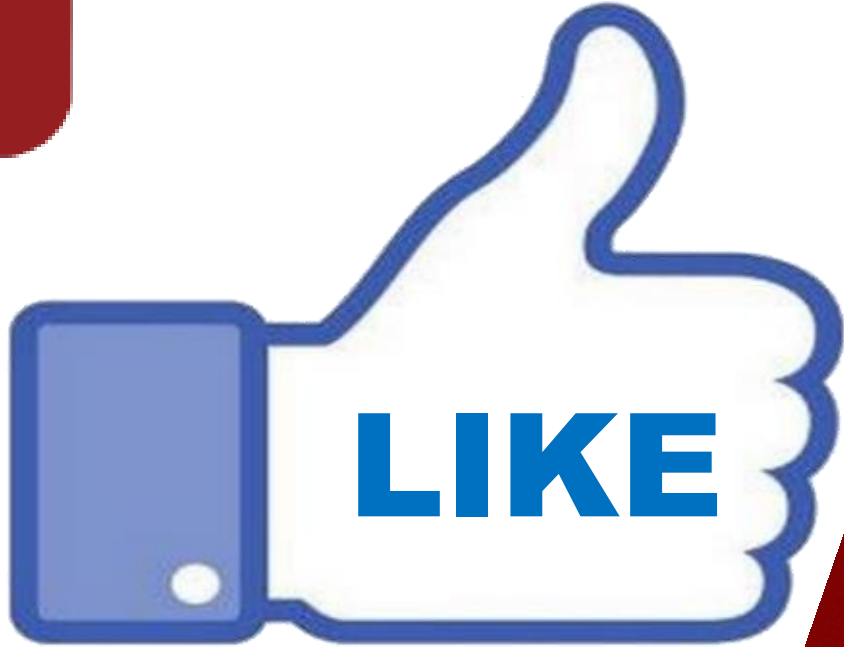
Ex: $(0.07\% \text{ of } 800) - (0.02\% \text{ of } 650) = ?$
 $(800 \text{ का } 0.07\%) - (650 \text{ का } 0.02\%) = ?$

Ex: $0.0169 \div 0.013 = ?$

$$\underline{\text{Ex:}} \quad 27\frac{1}{2} + 15\frac{3}{4} - 12\frac{2}{5} + 18\frac{4}{5}$$

Ex: $112\frac{1}{2}\%$ of $12\frac{1}{2}$ of $116\frac{2}{3}$ of $12.8 = ?$

Ex: $75\% \text{ of } 360 - 35 \times 14 + 30\% \text{ of } 1250 = ? \% \text{ of } 500$



Thank You