



DSSSB + SSC MTS

DSSSB PRT, TGT & PGT



दफ्तरी बैच

Part(A+B)

SCHOLAR BATCH

MATHS

Percentage

प्रतिशत



LIVE 22-04-2024 08:00 AM

{Sf
Df

Percentage

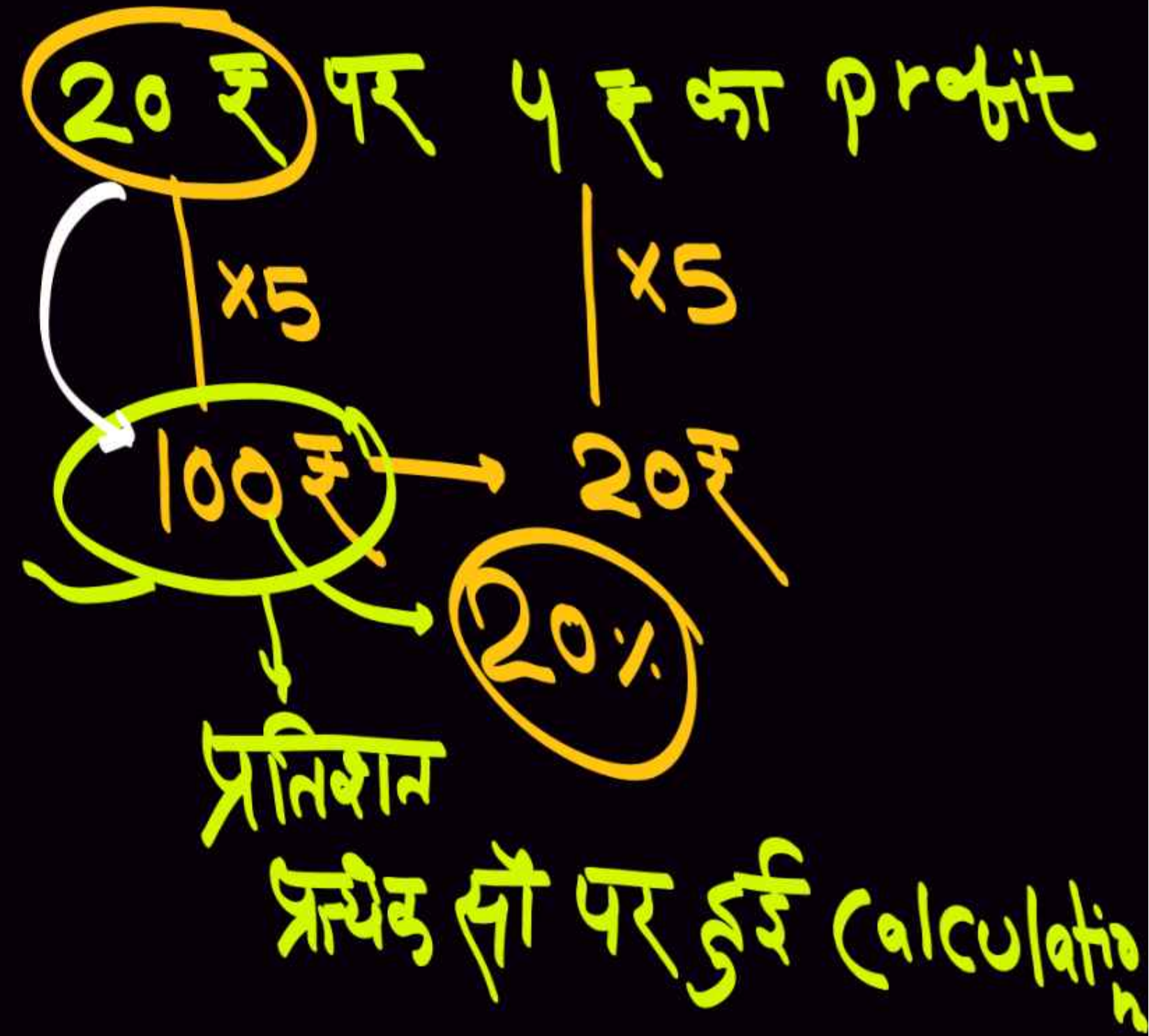
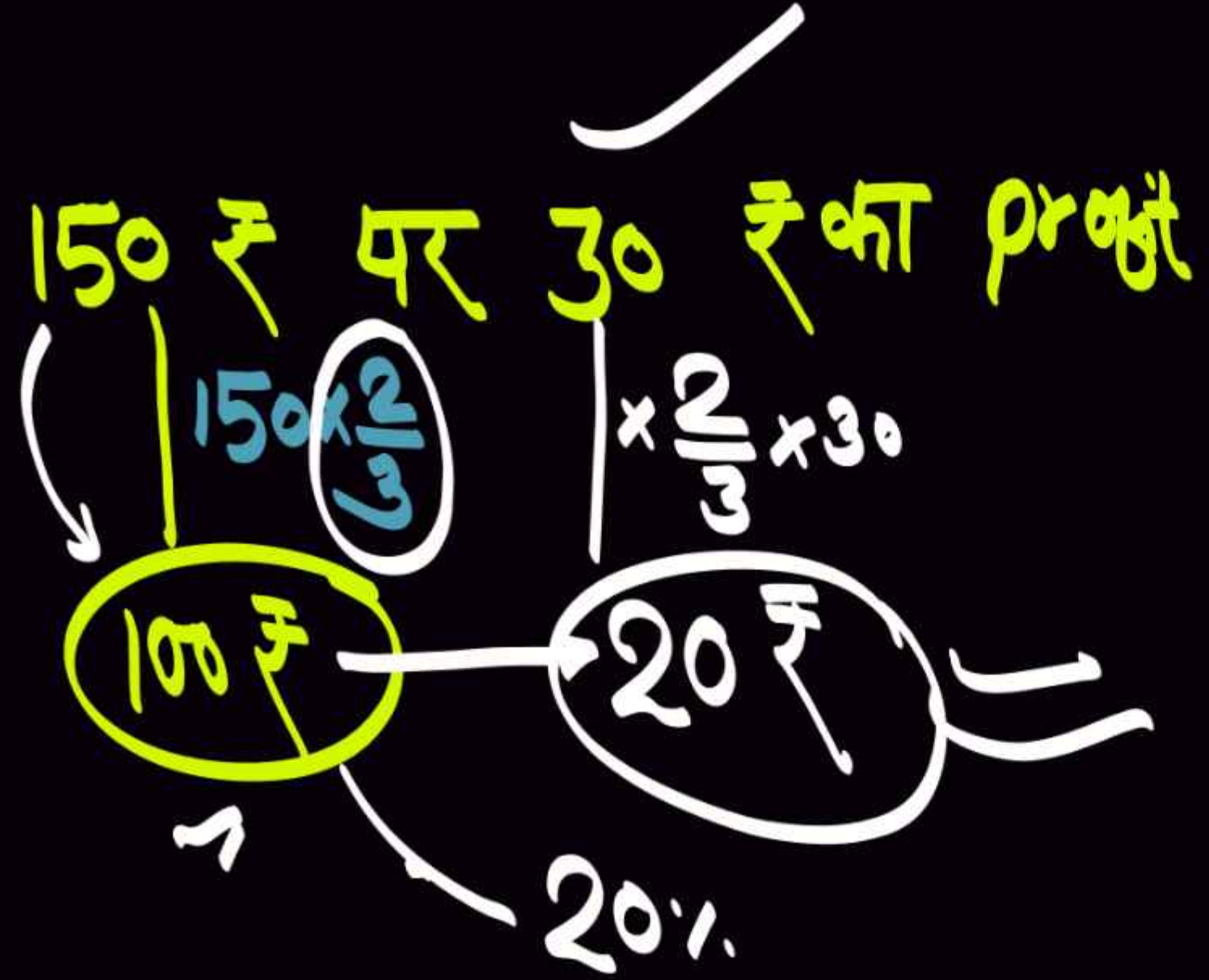


Percentage

प्रतिशत

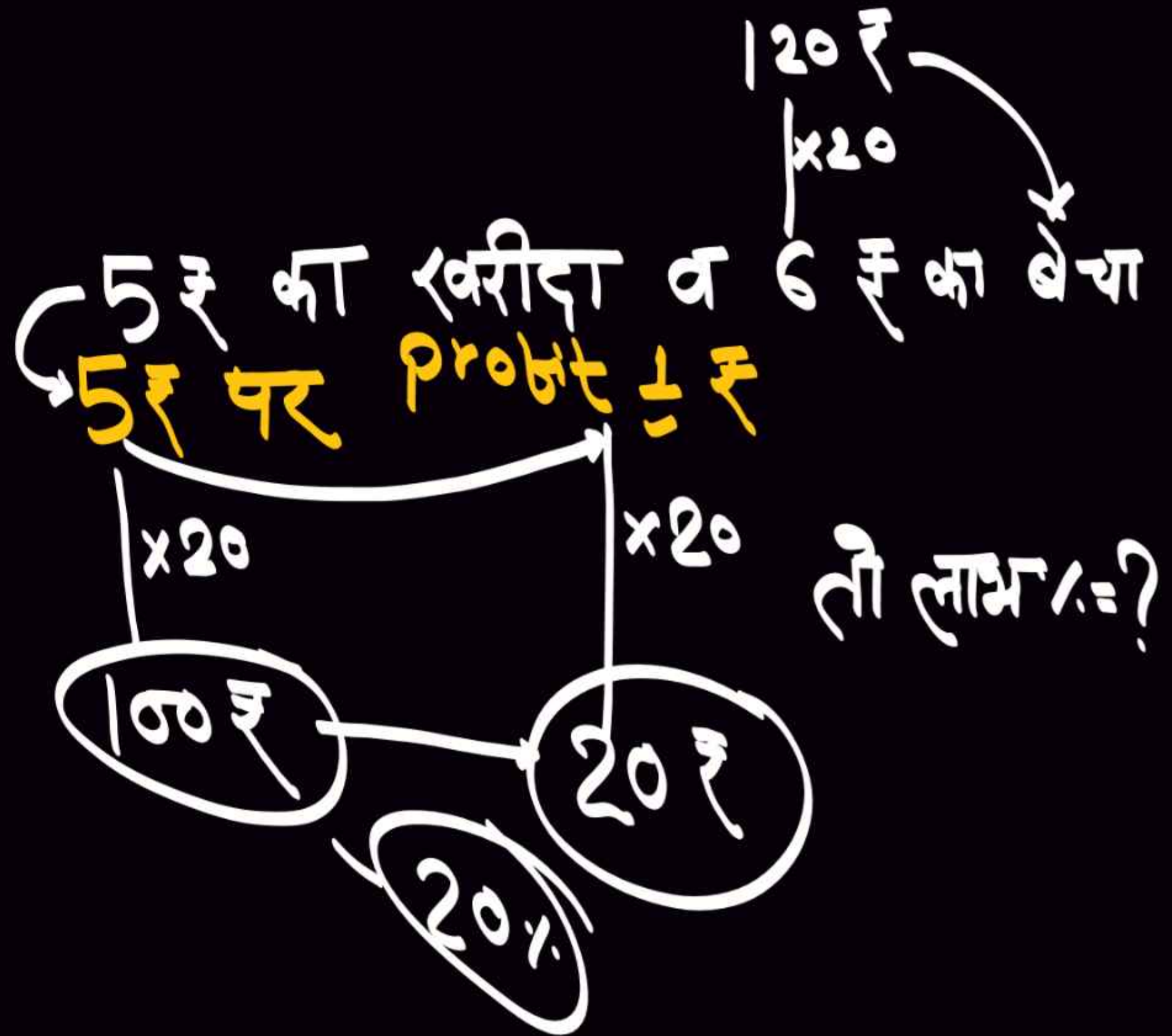
प्रत्येक + 100

50 ₹ पर 20 का profit
↓
100 ₹ — 40 का profit
40%



एक दिन

✓



$$20\% \Rightarrow \frac{20}{100} \Rightarrow \frac{1}{5}$$

$$15\% \Rightarrow \frac{15}{100} \Rightarrow \frac{3}{20}$$

$$a\frac{b}{c} \Rightarrow \frac{(a \times c) + b}{c}$$

$$33\frac{1}{3}\% = \frac{33 \times 100 + 100}{300}$$

$$16\frac{2}{3}\% = \frac{50}{3 \times 100} = \frac{1}{6}$$

$$11\frac{1}{9}\% \Rightarrow \frac{100}{9 \times 100} = \frac{1}{9}$$

$$12\frac{1}{2}\% \Rightarrow \frac{25}{2 \times 100} = \frac{1}{8}$$

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

$$10\% = \frac{1}{10}$$

$$15\% = \frac{3}{20}$$

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

$$25\% = \frac{1}{4}$$

$$30\% = \frac{3}{10}$$

$$12.5\% = \frac{1}{8}$$

$$37.5\% = \frac{3}{8}$$

$$33\frac{1}{3}\% = \frac{1}{3}, \quad 9\frac{1}{11}\% = \frac{1}{11}$$

$$66\frac{2}{3}\% = \frac{2}{3}, \quad 11\frac{1}{9}\% = \frac{1}{9}$$

भिन्न को Percent में बदलना:- $\frac{a}{b} \times 100\%$

Fraction $\Downarrow$

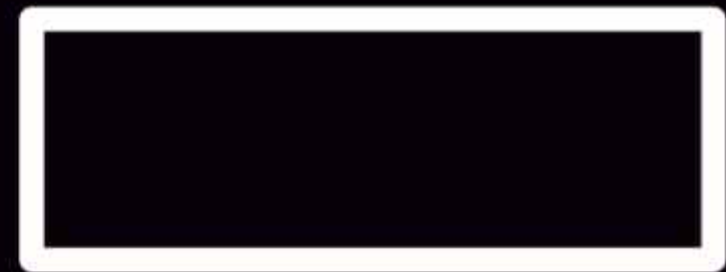
$$\frac{2}{5} \Rightarrow \frac{2}{5} \times \frac{20}{100} \% \Rightarrow 40\%$$

$$\begin{aligned} \frac{3}{8} &\Rightarrow \frac{3}{8} \times \frac{25}{100} \% \Rightarrow \frac{75}{2} \% \\ &\Rightarrow 37.5\% \Rightarrow 37\frac{1}{2}\% \\ &\Rightarrow \frac{3}{8} \\ \frac{3}{4} &\Rightarrow \frac{6}{8} \times \frac{20}{100} \% \Rightarrow 120\% \end{aligned}$$

वर्ग $\rightarrow$ क्षेत्रफल $\Rightarrow$ भुजा² $\Rightarrow$ भुजा $\times$ भुजा
Square $\Rightarrow$ Area $\Rightarrow$ side² $\Rightarrow$ side $\times$ side



आयत $\Rightarrow$ क्षेत्रफल $\Rightarrow$ लम्बाई $\times$ चौड़ाई
Rectangle $\Rightarrow$ Area $\Rightarrow$ Length $\times$ breadth



यदि एक वर्ग की भुजा 10% बढ़ा दी जाए तो उस वर्ग का क्षेत्रफल कितना बढ़ेगा?

$$\Rightarrow 2x + \frac{x^2}{100}\%$$

$$2 \times 10 + \frac{10 \times 10}{100}$$

$$20 + 1$$

$$\Rightarrow 21\%$$



(10 cm) माना

$$\begin{aligned} \text{क्षेत्रफल} &\Rightarrow \text{side}^2 \\ &= 10 \times 10 \\ &= 100 \text{ cm}^2 \end{aligned}$$



11 cm

$$\text{क्षेत्रफल} = 11 \times 11$$

$$= 121 \text{ cm}^2$$

$$21\%$$

↓

$$10 \text{ का } 10\% \\ \frac{10 \times 10}{100} = 1$$

का $\rightarrow$ OFF $\Rightarrow$ गुणा (multiply)

① 400 का $\frac{3}{5} = ?$ $\overbrace{400 \times \frac{3}{5}} \Rightarrow 240$

② 800 का $\frac{9}{8}$ का $\frac{10}{3} = ?$

$\overbrace{800}^{1000} \times \frac{9}{8} \times \frac{10}{3} \Rightarrow 3000$

500 का $\frac{21}{10}$ = 700 का $\frac{x}{100}$ हैं तो $x = ?$

$$500 \times \frac{21}{10} = \frac{700 \times x}{100}$$

$$21 \times 50 = 7x$$

$$\frac{21 \times 50}{7} = x = 150$$

