



# SSC प्रथम बैच 2025

Registration starts  
**15 DEC** 7 PM

Batch starts  
**20 DEC**  
Course Validity : 2 Year

हर SUBJECT महारथी के साथ करें  
**SELECTION पक्का**



**MATHS**

Rakesh Yadav Sir



**ENGLISH**

Jaideep Sir



**REASONING**

Piyush Varshney Sir



**GENERAL STUDIES**

Abhishek Sir & Team

**COURSE FEE : ₹2599/- ₹1599/-**

Note : Course Fees ₹1599/- केवल 20 Dec 2024 शाम 7 बजे तक

Learn **LIVE** with India's Best Teachers

# MATHS SPECIAL

## FOUNDATION + SELECTION

ARITHMETIC &amp; ADVANCE | PRE + MAINS

**ADMISSION  
OPEN NOW****Batch Starts  
20 DEC**  
Course Validity : 2 Years**INCLUDES**

- Result Oriented Approach
- Live Classes
- PDF Notes
- Conceptual Clarity

**USEFUL FOR**

- SSC EXAMS
- BANKING EXAMS
- CSAT
- STATE EXAMS

**Rakesh Yadav Sir****LIVE****COURSE FEE : ₹3999/- ₹999/-**

Percentage %

प्रति 100

11%  
 $\frac{11}{100}$

every 100

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

13%

13 → 100

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

$$25\% \Rightarrow \frac{25}{100} \Rightarrow \frac{1}{4}$$

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

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

$$8\frac{1}{3}\% \Rightarrow \frac{25}{3}\% \\ \Rightarrow \frac{25}{3 \times 100} \Rightarrow \frac{1}{12}$$

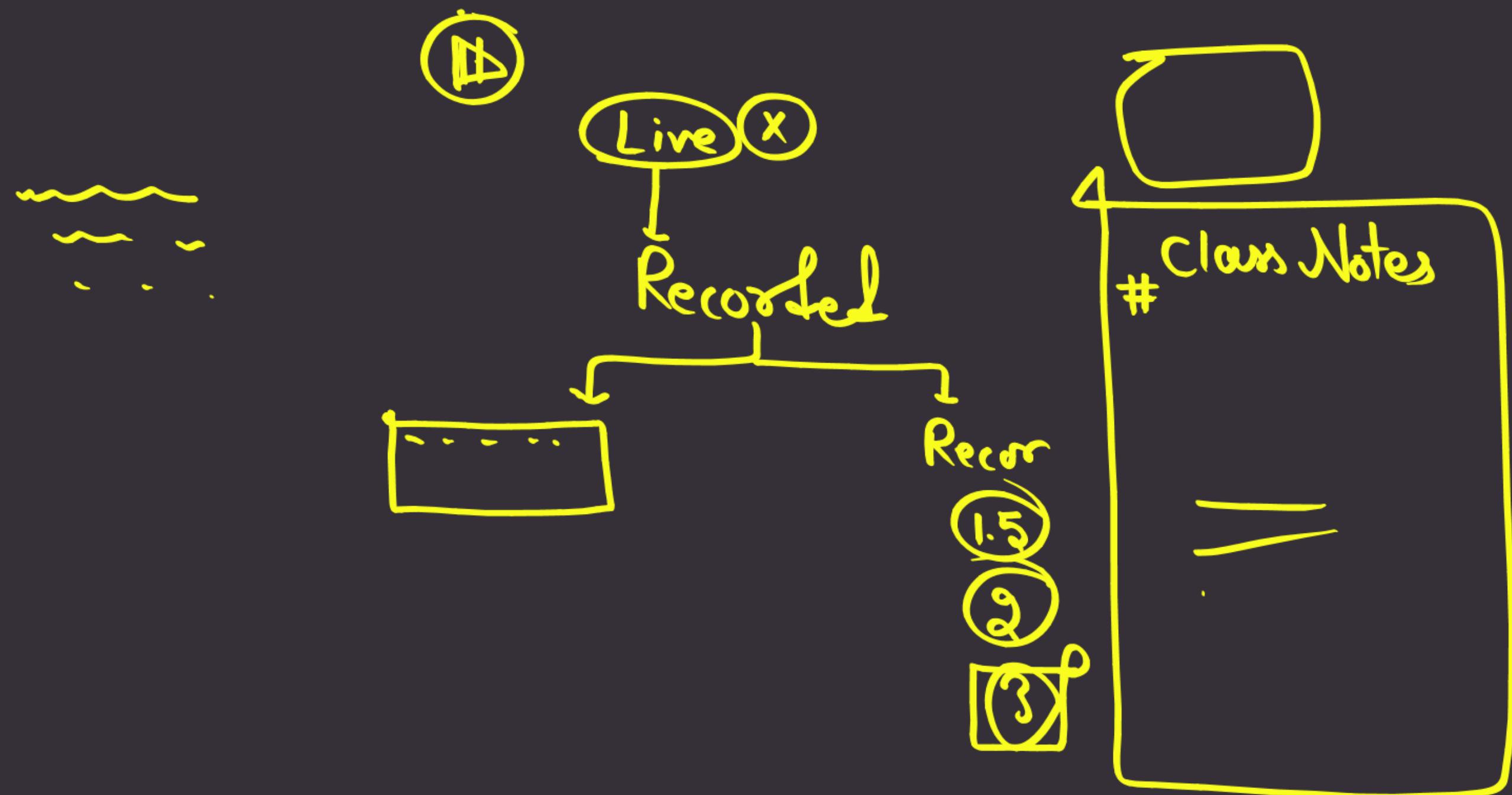
$$\frac{1}{5} \times 100 \Rightarrow 20\%$$

$$\frac{4}{7} \times 100 \Rightarrow \frac{400}{7} \Rightarrow 57\frac{1}{7}\%$$

$$\frac{1}{4} \times 100 \Rightarrow 25\%$$

$$\frac{1}{3} \times 100 \Rightarrow \frac{100}{3}\% \Rightarrow 33\frac{1}{3}\%$$

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



$$\frac{5}{6} \Rightarrow 83\frac{1}{3}\%$$

$$\frac{1}{40} = 2\frac{1}{2}\% \quad \frac{1}{17} = 5\frac{15}{17}\% \quad \frac{1}{9} = 11\frac{1}{9}\% \quad \frac{1}{2} = 50\%$$

$$\frac{1}{50} = 2\% \quad \frac{1}{18} = 5\frac{5}{9}\% \quad \frac{1}{10} = 10\% \quad \frac{1}{3} = 33\frac{1}{3}\%$$

$$\frac{3}{8} = 37\frac{1}{2}\% \quad \frac{1}{19} = 5\frac{5}{19}\% \quad \frac{1}{11} = 9\frac{1}{11}\% \quad \frac{1}{4} = 25\%$$

$$\frac{5}{20} = 62\frac{1}{2}\% \quad \frac{1}{20} = 5\% \quad \frac{1}{12} = 8\frac{1}{3}\% \quad \frac{1}{5} = 20\%$$

$$\frac{8}{13} = 61\frac{1}{3}\% \quad \frac{1}{24} = 4\frac{1}{6}\% \quad \frac{1}{13} = 7\frac{9}{13}\% \quad \frac{1}{6} = 16\frac{2}{3}\%$$

$$\frac{4}{7} = 57\frac{1}{7}\% \quad \frac{1}{25} = 4\% \quad \frac{1}{14} = 7\frac{1}{7}\% \quad \frac{1}{7} = 14\frac{2}{7}\%$$

$$\frac{5}{7} = 71\frac{3}{7}\% \quad \frac{1}{30} = 3\frac{1}{3}\% \quad \frac{1}{15} = 6\frac{2}{3}\% \quad \frac{1}{8} = 12\frac{1}{2}\%$$

$$\frac{1}{16} = 6\frac{1}{4}\%$$

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

$$\frac{3}{5} = 60\%$$

$$\frac{2}{5} = 40\%$$

$$\frac{4}{5} = 80\%$$

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

$$\frac{3}{4} = 75\%$$

# **Standard Fraction Multiple Conversion in to Percentage**

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$$\rightarrow \frac{1}{3} = 33\frac{1}{3}\% \rightarrow \left( 33 + \frac{1}{3} \right)$$

$\swarrow$        $\searrow$

66       $\frac{29}{3}$

$$\rightarrow \frac{2}{3} = ? \quad 66\frac{2}{3}\%$$

$$\frac{1}{9} = 11 \frac{1}{9}\%$$

$$\frac{2}{9} = ? 22\frac{2}{9}\%$$

$$\frac{1}{9} = 11\frac{1}{9}\%$$

$$\frac{5}{9} = ? \textcolor{blue}{55\frac{5}{9}} \%$$

$$\frac{1}{9} = 11\frac{1}{9}\%$$

$$77\frac{7}{9}$$

$$\frac{7}{9} = ? \quad 77\frac{7}{9}\%$$

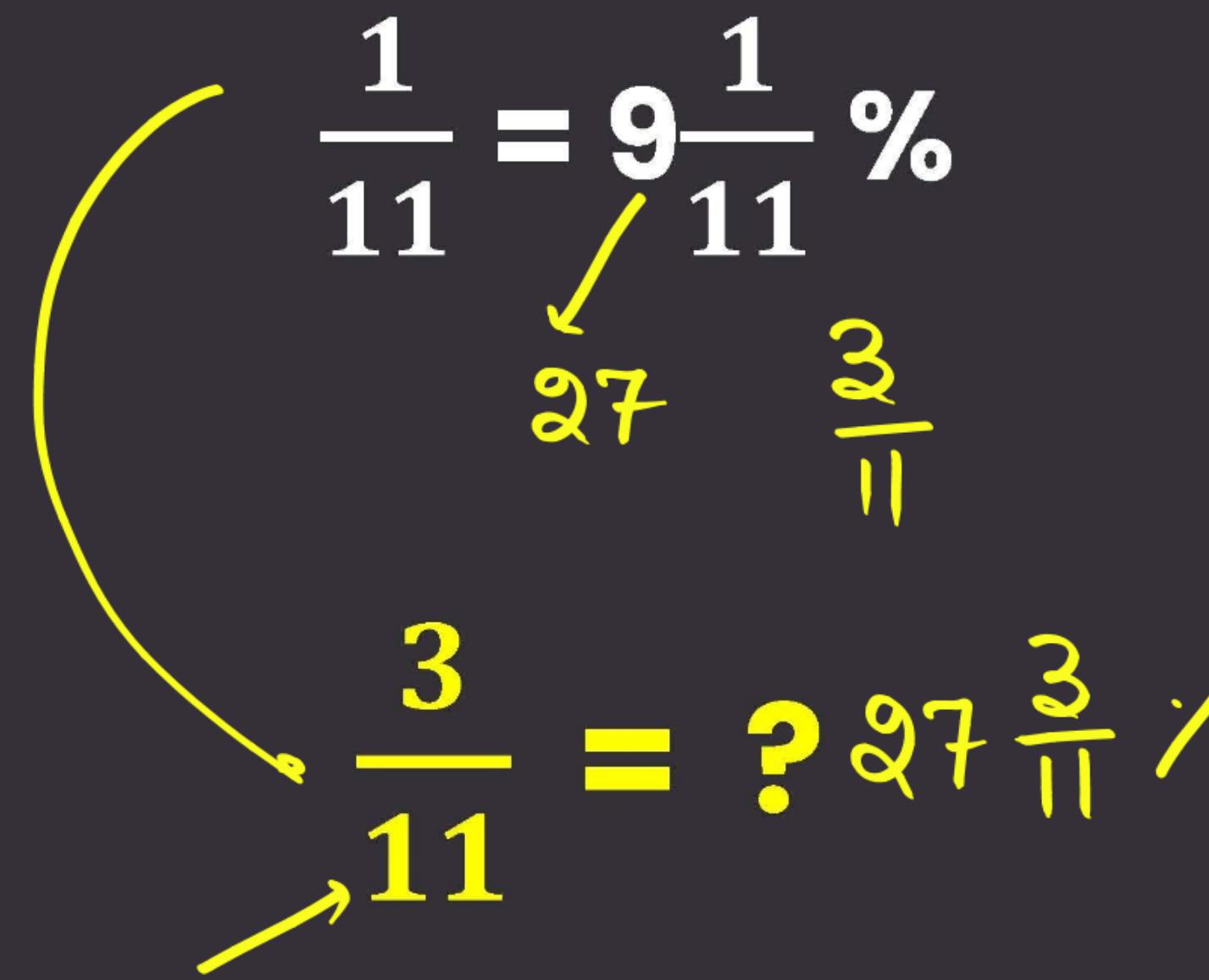
$$\frac{1}{9} = 11\frac{1}{9}\%$$

88  $\frac{8}{9}$

$\frac{8}{9} = ? \quad 88\frac{8}{9}\%$

$$\frac{1}{11} = 9\frac{1}{11}\%$$

$\swarrow$        $\searrow$

$$\frac{3}{11} = ?\% \quad \frac{3}{11}\%$$


$$\frac{1}{11} = 9\frac{1}{11}\%$$

A yellow curved arrow originates from the fraction  $\frac{1}{11}$  in the first equation and points to the fraction  $\frac{5}{11}$  in the second equation.

$$45\frac{5}{11}\%$$
$$\frac{5}{11} = ?$$

$$\frac{1}{11} = 9\frac{1}{11}\%$$

$$\frac{4}{11} = ? \quad 36\frac{4}{11}\%$$

$$\frac{1}{11} = 9\frac{1}{11}\%$$


$$\frac{7}{11} = ?63\frac{7}{11}\%$$

$$\frac{1}{11} = 9\frac{1}{11}\%$$

$$\frac{8}{11} = ? \% \quad \frac{8}{11}\%$$

$$\frac{1}{11} = 9\frac{1}{11}\%$$

$$\frac{9}{11} = ? 81\frac{9}{11}\%$$

$$\frac{1}{7} = 14 \frac{2}{7}\%$$

$$\frac{3}{7} = ? 42 \frac{6}{7}\%$$

$$\frac{1}{7} = 14 \frac{2}{7}\%$$

$$70 \xrightarrow{\frac{10}{7}} R$$

$$\frac{5}{7} = ? \xrightarrow{70 + 1 \frac{3}{7}} 71 \frac{3}{7}\%$$

$$\frac{1}{13} = 7\frac{9}{13}\%$$

$$\frac{3}{13} = ? 23\frac{1}{13}\%$$

$$\rightarrow \frac{1}{13} = 7 \frac{9}{13}\%$$

$$\downarrow 14 \quad \frac{18}{13} \Rightarrow 1 \frac{5}{13}$$

$$\rightarrow \frac{2}{13} = ? 15 \frac{5}{13}\%$$

$$\frac{1}{13} = 7 \frac{9}{13}\%$$

$$\rightarrow \frac{7}{13} = ? 53 \frac{11}{13}\%$$

$$\frac{1}{13} = 7 \frac{9}{13}\%$$

$$56 \quad \frac{72}{13} \rightarrow 5 \frac{7}{13}$$

$$\frac{8}{13} = ? \quad 61 \frac{7}{13}\%$$

$$\frac{1}{13} = 7 \frac{9}{13}\%$$

35 +  $\frac{45}{13}$  ⇒  $3\frac{6}{13}$

$$\frac{5}{13} = ? 38\frac{6}{13}\%$$

$$\frac{1}{13} = 7 \frac{9}{13}\%$$

$\underbrace{63 + \frac{81}{13}}_{\text{63} + 6 \frac{3}{13}}$

$$\frac{9}{13} = ? 69 \frac{3}{13}\%$$

$\nearrow 13$

$$\frac{1}{14} = 7\frac{1}{7}\%$$

Q1  $\frac{3}{7}\%$

$$\frac{3}{14} = ?$$

$$\frac{1}{14} = 7\frac{1}{7}\%$$

$$\frac{5}{14} = ?$$

$$\frac{1}{14} = 7\frac{1}{7}\%$$

$$63 \xrightarrow{\frac{9}{7}} 1 \frac{2}{7}$$

$$\frac{9}{14} = ? 64 \frac{2}{7}\%$$

$$\frac{1}{14} = 7\frac{1}{7}\%$$

$$77 \frac{11}{7} \rightarrow 78 \frac{4}{7}$$

$$\frac{11}{14} = ? 78\frac{4}{7}\%$$

$$\frac{1}{14} = 7\frac{1}{7}\%$$

$$1 + \frac{13}{7} = \frac{6}{7}$$

$$\frac{13}{14} = ? 92\frac{6}{7}\%$$

$$\frac{1}{15} = 6\frac{2}{3}\%$$

$$12 \quad \frac{4}{3} \rightarrow 1\frac{1}{3}$$

$$\frac{2}{15} = ? \quad 13\frac{1}{3}\%$$

$$\frac{1}{15} = 6\frac{2}{3}\%$$

$$\rightarrow \frac{4}{15} = ?$$

$$\begin{array}{l} \frac{1}{5} \Rightarrow 20\% \\ \rightarrow \frac{2}{5} \Rightarrow 40\% \end{array}$$

$$\begin{array}{l} \frac{1}{15} = 6\frac{2}{3}\% \\ \rightarrow 36 + \frac{12}{3} \\ \frac{26}{15} = ? 40\% \end{array}$$

$$\frac{1}{15} = 6\frac{2}{3}\%$$

42       $\frac{14}{3} \rightarrow 4\frac{2}{3}$

$$\frac{7}{15} = ? 46\frac{2}{3}\%$$

$$\frac{1}{15} = 6\frac{2}{3}\%$$

54       $\frac{18}{3}$


$$\frac{9}{15} = ? \ 60\%$$

$$\frac{1}{15} = 6\frac{2}{3}\%$$

$$66 \xrightarrow{\frac{22}{3}} 7\frac{1}{3}$$

$$\frac{11}{15} = ? 73\frac{1}{3}\%$$

$$\frac{1}{17} = 5\frac{15}{17}\%$$

$\downarrow$

$$10 \quad \frac{30}{17} \rightarrow 1 \frac{13}{17}$$

$\nearrow$

$$\frac{2}{17} = ? \parallel \frac{13}{17}\%$$

$$\frac{1}{17} = 5\frac{15}{17}\%$$

$$\rightarrow \frac{3}{17} = ? \text{ } 17\frac{11}{17}\%$$

$$\frac{1}{17} = 5\frac{15}{17}\%$$

$$25 + \frac{75}{17} \rightarrow 4\frac{7}{17}$$

$$\frac{5}{17} = ? 2\frac{7}{17}\%$$

$$\frac{1}{18} = 5\frac{5}{9}\%$$

$\underbrace{\phantom{0.25} \xrightarrow{25} 2\frac{25}{9}}_{27\frac{7}{9}}$

$$\frac{5}{18} = ? 27\frac{7}{9}\%$$

$$\frac{1}{18} = 5\frac{5}{9}\%$$

55 +  $\frac{55}{9} \rightarrow 6\frac{1}{9}$

$$\frac{11}{18} = ? \text{ } 6\frac{1}{9}\%$$

$$\rightarrow \frac{1}{19} = 5\frac{5}{19}\%$$

$$55 + \frac{55}{19} \rightarrow 2\frac{17}{19}$$

$$\rightarrow \frac{11}{19} = ? \quad 57\frac{17}{19}\%$$

$$\frac{1}{40} = 2\frac{1}{2}\%$$

$$\frac{13}{40} = ? \quad 32\frac{1}{2}\%$$