



# प्रवर्जन बैच 2025



# MATHS PERCENTAGE

## SELECTION पत्तका !

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04

$$\frac{1}{30} = 3\frac{1}{3}\% \quad \frac{1}{16} = 6\frac{1}{4}\% \quad \frac{1}{9} = 11\frac{1}{9}\% \quad \frac{1}{2} = 50\%$$

$$\frac{1}{40} = 2\frac{1}{2}\% \quad \frac{1}{17} = 5\frac{15}{17}\% \quad \frac{1}{10} = 10\% \quad \frac{1}{3} = 33\frac{1}{3}\%$$

$$\frac{1}{50} = 2\% \quad \frac{1}{18} = 5\frac{5}{9}\% \quad \frac{1}{11} = 9\frac{1}{11}\% \quad \frac{1}{4} = 25\%$$

$$\frac{1}{19} = 5\frac{5}{19}\% \quad \frac{1}{12} = 8\frac{1}{3}\% \quad \frac{1}{5} = 20\%$$

$$\frac{1}{20} = 5\% \quad \frac{1}{13} = 7\frac{9}{13}\% \quad \frac{1}{6} = 16\frac{2}{3}\%$$

$$\frac{1}{24} = 4\frac{1}{6}\% \quad \frac{1}{14} = 7\frac{1}{7}\% \quad \frac{1}{7} = 14\frac{2}{7}\%$$

$$\frac{1}{25} = 4\% \quad \frac{1}{15} = 6\frac{2}{3}\% \quad \frac{1}{8} = 12\frac{1}{2}\%$$

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

$\frac{9}{13} = \underbrace{63}_{63} \xrightarrow{\frac{81}{13}} 6\frac{3}{13}$

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

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

$56 + \frac{8}{7} \Rightarrow 1\frac{1}{7}$

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

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

↓

$$42 \frac{7}{4} \rightarrow 1\frac{3}{4}$$

$$\frac{7}{16} = 43\frac{3}{4}\%$$

19.  $440\% = ?$

$$\begin{array}{r} \overbrace{400\% + 40\%} \\ \downarrow \\ 4 + \frac{2}{5} \rightarrow \frac{22}{5} \end{array}$$

20. **536% = ?**

$$500\% + 36\%$$

$$5 + \frac{9}{25} \rightarrow \frac{134}{25}$$

$$14\% = \frac{1}{25}$$

$$15\% = \frac{1}{20}$$

21.  **$945\% = ?$**

$$900\% + 45\%$$
$$9 + \frac{9}{20} = \frac{189}{20}$$

22. **676% = ?**

$$600\% + 76\% + 4\%$$
$$6 + \frac{19}{25}$$

$$\frac{169}{25}$$

23.  $710\% = ?$

$$700\% + 10\%$$

$$7 + \frac{1}{10}$$

$$\frac{71}{10}$$

24.  $932\% = ?$

$$900\% + 32\% \quad \frac{1}{25}$$
$$9 + \frac{8}{25} = \frac{233}{25}$$

$$25. \ 337\frac{1}{2}\% = ?$$

$$37\frac{1}{2}\% \Rightarrow \frac{3}{8}$$

$$\begin{array}{r} \underbrace{300\%}_{3} + 37\frac{1}{2}\% \\ \qquad \qquad \qquad + \frac{3}{8} \Rightarrow \frac{27}{8} \end{array}$$

26.  $366\frac{2}{3}\%$  = ?

$$33\frac{1}{3}\% = \frac{1}{3}$$

$$66\frac{2}{3}\% = \frac{2}{3}$$

$$300\% + 66\frac{2}{3}\%$$

$$3 + \frac{2}{3} = \frac{11}{3}$$

27.  $487\frac{1}{2}\%$  = ?

$$12\frac{1}{2}\% = \frac{1}{8}$$

$$84 \xrightarrow{\frac{7}{2} \rightarrow 3\frac{1}{2}}$$

$$87\frac{1}{2}\% = \frac{7}{8}$$

$$400\% + 87\frac{1}{2}\%$$
  
$$4 + \frac{7}{8} = \frac{39}{8}$$

$$27. \ 487\frac{1}{2}\% = ?$$



$$500\% - 12\frac{1}{2}\%$$

$$5 - \frac{1}{8} \rightarrow \frac{39}{8}$$

$$444\frac{4}{9}\%$$

$400\% + 44\frac{4}{9}\%$

$4 + \frac{4}{9} = \frac{40}{9}$

$$1\frac{1}{9}\% = \frac{1}{9}$$
$$44\frac{4}{9}\% = \frac{4}{9}$$

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

$$\frac{3}{4}\% \rightarrow \frac{8}{80}$$

$$\frac{15}{4}\% \rightarrow \frac{15}{4} \times \frac{3}{20} \rightarrow \frac{3}{80}$$

$$\begin{aligned}
 & 303\frac{3}{4}\% \\
 & 300\% + 3\frac{3}{4}\% \\
 & \downarrow \\
 & 3 + \frac{3}{80} \\
 & \frac{243}{80} \text{ A}
 \end{aligned}$$

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

$$85\% + 2\frac{1}{2}\%$$



$$\frac{17}{20} + \frac{1}{40}$$

$$\frac{34+1}{40} \rightarrow \frac{35}{40} \rightarrow \frac{7}{8}$$

ਜਿੰਨੀ ਬਲ੍ਕ Matter ਵੇਂ ਕਰਦੀ  
ਜੀਪਤ ਹੈ Matter ਕਰਦੀ ਹੈ।

$$87\frac{1}{2}\%$$

↙

$$80\% + 7\frac{1}{2}\%$$

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

$$\frac{4}{5} + \frac{3}{40}$$

$$\frac{32+3}{40} \rightarrow \frac{35}{40} \rightarrow \frac{7}{8}$$

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

$$50\% + 37\frac{1}{2}\%$$

$$\frac{1}{2} + \frac{3}{8}$$
$$\frac{4+3}{8} \Rightarrow \frac{7}{8}$$

$87\frac{1}{2}\%$



$100\% - 12\frac{1}{2}\%$

$$1 - \frac{1}{8} \rightarrow \frac{7}{8}$$

$$100\% - 8\frac{1}{3}\% = 1 - \frac{1}{12}$$

91  $\frac{2}{3}\%$

$606\frac{2}{3}\%$

$600\% + 6\frac{2}{3}\%$

$$6 + \frac{1}{15} \rightarrow \frac{91}{15}$$

# CONVERSION OF PERCENT IN TO DEOCIMAL

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$$12\frac{1}{2}\% \Rightarrow 12.5\%$$

$$11\frac{1}{9}\% \Rightarrow 11.\underline{111}\ldots\%$$

$$\frac{1}{2} = 0.5$$

$$\frac{1}{4} = 0.25$$

$$\frac{1}{8} = 0.125$$

$$\frac{1}{16} = 0.0625$$

$$\frac{1}{3} = 0.33\ldots$$

$$\begin{array}{r} 3 \sqrt{100} \\ \underline{-9} \\ \hline 10 \\ \underline{-9} \\ \hline 10 \\ \end{array} \quad 0.33\ldots$$

$$\frac{1}{3} = .33\dots$$

$$0.\overline{666\dots} \Rightarrow 0.67$$

$$0.\overline{57} \rightarrow 0.6$$

$$0.\overline{54} \rightarrow 0.5$$

$$\frac{2}{3} = ? \quad 0.\overline{66\dots}$$

$$33.33\% \Rightarrow 33.\underline{33}.\dots\% \Rightarrow 33\frac{1}{3}\% \Rightarrow \frac{1}{3}$$

$$66.\overline{67}\% \Rightarrow 66.66\ldots \% \Rightarrow 66\frac{2}{3}\% \Rightarrow \frac{2}{3}$$

$$\frac{1}{9} = 0.\overline{1111\dots}$$

$$\frac{2}{9} = 0.\overline{22\dots}$$

$$\frac{5}{9} = 0.\overline{55\dots}$$

$$44.44\ldots \rightarrow 44.44 \rightarrow 44\frac{4}{9} \rightarrow \frac{4}{9}$$

$$44 + \frac{4}{9}$$

$$\begin{aligned}0.11\ldots &\rightarrow \frac{1}{9} \\0.44\ldots &\xrightarrow{9} \frac{4}{9}\end{aligned}$$

$$\frac{1}{7} = .\underline{\text{14}}\dots$$

$$14 \frac{2}{7} \Rightarrow 14.28\% = \frac{1}{7}$$

↓

$$\frac{1}{7} = 0.\underline{14}$$

$$\frac{2}{7} = 0.28$$

$$\frac{2}{7} = ? .28$$

$$\frac{1}{11} = 0.\overline{09}$$

$$\frac{2}{11} = ?$$

$$9\frac{1}{11}\% \Rightarrow 9.0909\dots \not\propto \frac{1}{11}$$

$81.8181\ldots\%$

$$81 \frac{9}{11}\% \Rightarrow \frac{9}{11}$$

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

$$\frac{1}{11} = 0.\overline{0909}$$

606.67 %

600% + 6.66...%

600% + 6 $\frac{2}{3}$ %

$$6 + \frac{1}{15} \rightarrow \frac{91}{15}$$

$$\frac{1}{3} = 0.33\ldots$$

$$\frac{2}{3} = 0.66\ldots$$

714.28%

$$700\% + 14\frac{2}{7}\%$$

$$7 + \frac{1}{7}$$

$$\frac{1}{7} = 0.14$$

$$\frac{2}{7} = 0.28$$

$$\frac{50}{7} \text{ Ans}$$