

PERCENTAGE

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

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

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

$$\begin{aligned}\frac{7}{16} &= 7 \times 6\frac{1}{4}\% \\ &= 43\frac{3}{4}\%\end{aligned}$$

$$\begin{aligned}\frac{9}{13} &= 9 \times 7\frac{9}{13}\% \\ &= 69\frac{3}{13}\%\end{aligned}$$

$$\begin{aligned}\frac{4}{7} &= 4 \times 14\frac{2}{7}\% \\ &= 57\frac{1}{7}\%\end{aligned}$$

PERCENTAGE to FRACTION CONVERSION

$$\begin{aligned}19. \quad 440\% &= 400\% + 40\% \\ &= 4 + \frac{2}{5} \\ &= \frac{22}{5}\end{aligned}$$

$$\begin{aligned}20. \quad 536\% &= 500\% + 36\% \\ &= 5 + \frac{9}{25} \\ &= \frac{134}{25}\end{aligned}$$

$$\begin{aligned}21. \quad 945\% &= 900\% + 45\% \\ &= 9 + \frac{9}{20} \\ &= \frac{189}{20}\end{aligned}$$

$$\begin{aligned}22. \quad 676\% &= 600\% + 76\% \\ &= 6 + \frac{19}{25} \\ &= \frac{169}{25}\end{aligned}$$

$$\begin{aligned}23. \quad 710\% &= 700\% + 10\% \\ &= 7 + \frac{1}{10} \\ &= \frac{71}{10}\end{aligned}$$

$$\begin{aligned}24. \quad 932\% &= 900\% + 32\% \\ &= 9 + \frac{8}{25} \\ &= \frac{233}{25}\end{aligned}$$

$$\begin{aligned}25. \quad 337\frac{1}{2}\% &= 300\% + 37\frac{1}{2}\% \\ &= 3 + \frac{3}{8} \\ &= \frac{27}{8}\end{aligned}$$

$$\begin{aligned}26. \quad 366\frac{2}{3}\% &= 300\% + 66\frac{2}{3}\% \\ &= 3 + \frac{2}{3} \\ &= \frac{11}{3}\end{aligned}$$

$$\begin{aligned}27. \quad 487\frac{1}{2}\% &= 400\% + 87\frac{1}{2}\% = 500\% - 12\frac{1}{2}\% \\ &= 4 + \frac{7}{8} = 5 - \frac{1}{8} \\ &= \frac{39}{8} = \frac{39}{8}\end{aligned}$$

$$\begin{aligned}* \quad 444\frac{4}{9}\% &= 400\% + 44\frac{4}{9}\% \\ &= 4 + \frac{4}{9} \\ &= \frac{40}{9}\end{aligned}$$

$$\begin{aligned}* \quad 303\frac{3}{4}\% &= 300\% + 3\frac{3}{4}\% \\ &= 3 + \frac{3}{80} \\ &= \frac{243}{80}\end{aligned}$$

$$\begin{aligned}15\% &= \frac{3}{20} \\ \downarrow \times \frac{1}{8} \\ 3\frac{3}{4}\% &= \frac{3}{80}\end{aligned}$$

$$\begin{aligned}
 \# \quad 87\frac{1}{2}\% &= 85\% + 2\frac{1}{2}\% = 80\% + 7\frac{1}{2}\% = 50\% + 37\frac{1}{2}\% = 100\% - 12\frac{1}{2}\% \\
 &= \frac{17}{20} + \frac{1}{40} = \frac{4}{5} + \frac{3}{40} = \frac{1}{2} + \frac{3}{8} = 1 - \frac{1}{8} \\
 &= \frac{34+1}{40} = \frac{32+3}{40} = \frac{4+3}{8} = \frac{7}{8} \\
 &= \frac{35}{40} = \frac{35}{40} = \frac{7}{8} \\
 &= \frac{7}{8} = \frac{7}{8}
 \end{aligned}$$

$$\begin{aligned}
 \# \quad 91\frac{2}{3}\% &= 100\% - 8\frac{1}{3}\% \\
 &= 1 - \frac{1}{12} \\
 &= \frac{11}{12}
 \end{aligned}$$

$$\begin{aligned}
 \# \quad 606\frac{2}{3}\% &= 600\% + 6\frac{2}{3}\% \\
 &= 6 + \frac{1}{15} \\
 &= \frac{91}{15}
 \end{aligned}$$

Conversion of Percentage

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

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

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

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

$$\begin{aligned}
 \frac{1}{3} &= 0.33\ldots \\
 3 \overline{) 100} & \quad (0.33\ldots \\
 \underline{-9} & \\
 10 & \\
 \underline{-9} & \\
 1 &
 \end{aligned}$$

$$\# \quad \frac{1}{3} = .333\ldots$$

$$\frac{2}{3} = .666\ldots = 0.67$$

$$0.57 = 0.6$$

$$0.54 = 0.5$$

$$\# \quad 33.33\% = 33\frac{1}{3}\% \Rightarrow \frac{1}{3}$$

$$\# \quad 66.67\% = 66.66\% = 66\frac{2}{3}\% = \frac{2}{3}$$

$$\# \quad \frac{1}{9} = 0.111\ldots$$

$$\frac{2}{9} = 0.222\ldots$$

$$\frac{5}{9} = 0.555\ldots$$

$$\begin{aligned}
 9 \overline{) 1000} & \quad (0.111\ldots \\
 \underline{-9} & \\
 10 & \\
 \underline{-9} & \\
 10 & \\
 \underline{-9} & \\
 1 &
 \end{aligned}$$

$$\# \quad 44.44\% \Rightarrow 44.44\ldots\% \Rightarrow 44\frac{4}{9}\%$$

$$\begin{aligned}
 & \downarrow \quad \downarrow \\
 & 4 \times 11\frac{1}{9} = \frac{4}{9}
 \end{aligned}$$

$$0.11\ldots = \frac{1}{9}$$

$$0.44\ldots = \frac{4}{9}$$

$$\frac{1}{7} = .14\text{-----}$$

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

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

$$\frac{1}{11} = 0.0909\text{-----}$$

$$9\frac{1}{11}\% = 9.0909\text{-----} \% = \frac{1}{11}$$

$$\frac{2}{11} = 0.1818\text{-----}$$

$$81.8181\text{-----}\% = \frac{9}{11}$$

$$\frac{1}{11} = 0.0909\text{-----}$$

$$\frac{9}{11} = 0.8181\text{-----}$$

$$606.67\% = 600\% + 6.66\text{-----}\%$$

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

$$= 6 + \frac{1}{15}$$

$$= \frac{91}{15}$$

$$\frac{1}{3} = 0.33\text{-----}$$

$$\frac{2}{3} = 0.66\text{-----}$$

$$714.28\% = 700\% + 14.28\%$$

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

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

$$= \frac{50}{7}$$

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

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