

PERCENTAGE

Mix-Fraction

Mix Fraction (सही पूर्णांक भिन्न)



Natural Number + Fraction
प्राकृतिक संख्या भिन्न

$2 \times 3 = 2.3$ → गुणा

$2 + 0.3 = 2.3$ → बिन्दु

$5 + \frac{3}{7} = \frac{38}{7} = 5\frac{3}{7}$
 ↓ Natural No. ↓ Fraction

divisor
भाजक

$$\begin{array}{r} 3 \overline{) 40} \left(13 \rightarrow \text{Quotient} \right. \\ \underline{-39} \\ 1 \rightarrow \text{Remainder} \end{array}$$

भागफल
शेषफल

$\frac{40}{3} \rightarrow \text{Mix Fraction} = 13\frac{1}{3}$
 Q → R
 D

Note :- Remainder (शेषफल) हमेशा divisor (भाजक) से छोटा होता है।

1. $6\frac{14}{4}$

$$\begin{aligned} 6\frac{14}{4} &= 6 + \frac{14}{4} \\ &= 6 + 3 + \frac{2}{4} \\ &= 6 + 3 + \frac{1}{2} \\ &= 9\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 7\frac{121}{16} &= 7 + 7\frac{9}{16} \\ &= 14\frac{9}{16} \end{aligned}$$

$$\begin{array}{r} 16 \overline{) 121} \left(7 \right. \\ \underline{112} \\ 9 \end{array}$$

4. $10\frac{29}{3}$

$$\begin{aligned} 10\frac{29}{3} &= 10 + 9\frac{2}{3} \\ &= 19\frac{2}{3} \end{aligned}$$

$$\begin{array}{r} 3 \overline{) 29} \left(9 \right. \\ \underline{27} \\ 2 \end{array}$$

2. $11\frac{109}{12}$

$$\begin{aligned} 11\frac{109}{12} &\xrightarrow{R} = 11 + 9\frac{1}{12} \\ &\xrightarrow{D} = 20\frac{1}{12} \end{aligned}$$

$$\begin{array}{r} 12 \overline{) 109} \left(9 \right. \\ \underline{-108} \\ 1 \end{array}$$

5. $14\frac{37}{7}$

$$\begin{aligned} 14\frac{37}{7} &= 14 + 5\frac{2}{7} \\ &= 19\frac{2}{7} \end{aligned}$$

$$\begin{array}{r} 7 \overline{) 37} \left(5 \right. \\ \underline{35} \\ 2 \end{array}$$

3. $7\frac{121}{16}$

Calculation

$$\bullet 4096 = 64^2 = 16^3$$

$$\bullet 729 = 27^2 = 9^3$$

$$6. \quad 123 \frac{67}{23}$$

$$123 \frac{67}{23} = 123 + 2 \frac{21}{23}$$

$$= 125 \frac{21}{23}$$

$$23 \overline{) 67} \begin{array}{l} 2 \\ 46 \\ \hline 21 \end{array}$$

$$7. \quad 29 \frac{107}{13}$$

$$29 \frac{107}{13} = 29 + 8 \frac{3}{13}$$

$$= 37 \frac{3}{13}$$

$$8. \quad 47 \frac{64}{9}$$

$$47 \frac{64}{9} = 47 + 7 \frac{1}{9}$$

$$= 54 \frac{1}{9}$$

$$9. \quad 63 \frac{19}{3}$$

$$63 \frac{19}{3} = 63 + 6 \frac{1}{3}$$

$$= 69 \frac{1}{3}$$

$$10. \quad 140 \frac{43}{6}$$

$$140 \frac{43}{6} = 140 + 7 \frac{1}{6}$$

$$= 147 \frac{1}{6}$$

$$11. \quad 56 \frac{7}{3}$$

$$56 \frac{7}{3} = 56 + 2 \frac{1}{3}$$

$$= 58 \frac{1}{3}$$

$$\# \quad 1 - \frac{N}{D} = \frac{D-N}{D}$$

$$12. \quad 1 - \frac{3}{4}$$

$$1 - \frac{3}{4} = \frac{4-3}{4} = \frac{1}{4}$$

$$13. \quad 1 - \frac{13}{19}$$

$$1 - \frac{13}{19} = \frac{6}{19}$$

$$14. \quad 1 - \frac{3}{52}$$

$$1 - \frac{3}{52} = \frac{49}{52}$$

$$15. \quad 1 - \frac{101}{103}$$

$$1 - \frac{101}{103} = \frac{2}{103}$$

$$16. \quad 4 - \frac{1}{5}$$

$$4 - \frac{1}{5} = 3 + 1 - \frac{1}{5}$$

$$= 3 \frac{4}{5}$$

$$17. \quad 18 - \frac{8}{9}$$

$$18 - \frac{8}{9} = 17 \frac{1}{9}$$

$$18. \quad 37 - \frac{4}{97}$$

$$37 - \frac{4}{97} = 36 \frac{93}{97}$$

$$19. \quad 149 - \frac{45}{49}$$

$$149 - \frac{45}{49} = 148 \frac{4}{49}$$

$$20. \quad 1193 - \frac{3}{50}$$

$$1193 - \frac{3}{50} = 1192 \frac{47}{50}$$

$$22. \quad 3191 - \frac{7}{351}$$

$$3191 - \frac{7}{351} = 3190 \frac{344}{351}$$

$$23. \quad 120 - 7\frac{1}{9}$$

$$\begin{aligned} 120 - 7\frac{1}{9} &= 120 - \left[7 + \frac{1}{9}\right] \\ &= 120 - 7 - 1 + 1 - \frac{1}{9} \\ &= 112 \frac{8}{9} \end{aligned}$$

$$24. \quad 137 - 6\frac{5}{11}$$

$$137 - 6\frac{5}{11} = 130\frac{6}{11}$$

$$25. \quad 1373 - 3\frac{5}{17}$$

$$1373 - 3\frac{5}{17} = 1369 \frac{12}{17}$$

$$26. \quad 617 - 311\frac{5}{51}$$

$$617 - 311\frac{5}{51} = 305 \frac{46}{51}$$

$$27. \quad 1377 - 376\frac{3}{11}$$

$$1377 - 376\frac{3}{11} = 1000 \frac{8}{11}$$

$$28. \quad 2103 - 101\frac{377}{499}$$

$$2103 - 101\frac{377}{499} = 2001 \frac{122}{499}$$

$$29. \quad 6637 - 8\frac{1}{3}$$

$$6637 - 8\frac{1}{3} = 6628\frac{2}{3}$$