Improper Fractions and Mixed Numbers – Solutions

1. $5\overline{)12}$ → $\boxed{2\frac{2}{5}}$

$$\begin{array}{r} 2 \\ 5\overline{)12} \\ \underline{-10} \\ 2 \end{array}$$

2. $10\overline{)97}$ → $\boxed{9\frac{7}{10}}$

$$\begin{array}{r} 9 \\ 10\overline{)97} \\ \underline{-90} \\ 7 \end{array}$$

3. $7\overline{)147}$ → $\boxed{21}$

$$\begin{array}{r} 21 \\ 7\overline{)147} \\ \underline{-14\downarrow} \\ 7 \\ \underline{-7} \\ 0 \end{array}$$

4. $3\overline{)382}$ → $\boxed{127\frac{1}{3}}$

$$\begin{array}{r} 127 \\ 3\overline{)382} \\ \underline{-3\downarrow} \\ 8 \\ \underline{-6} \\ 22 \\ \underline{-21} \\ 1 \end{array}$$

5. $12\overline{)\begin{array}{r}4\\59\\-48\\\hline 11\end{array}} \rightarrow \boxed{4\frac{11}{12}}$

6. $8\frac{3}{4} = \frac{4\times 8+3}{4} = \boxed{\frac{35}{4}}$

7. $4\frac{2}{5} = \frac{5\times 4+2}{5} = \boxed{\frac{22}{5}}$

8. $10 = \boxed{\frac{10}{1}}$

9. $3\frac{1}{12} = \frac{12\times 3+1}{12} = \boxed{\frac{37}{12}}$

10. $51\frac{2}{3} = \frac{3\times 51+2}{3} = \boxed{\frac{155}{3}}$