

## Exercises to study

### Addition and subtraction of Unlike Fractions

#### Addition

Rewrite each expression using the LCD.

1.  $\frac{5}{8} + \frac{1}{4}$

2.  $\frac{1}{3} + \frac{4}{9}$

3.  $\frac{7}{12} + \frac{1}{4}$

4.  $\frac{3}{4} + \frac{1}{3}$

5.  $\frac{1}{2} + \frac{2}{7}$

6.  $\frac{1}{6} + \frac{3}{8}$

7.  $\frac{5}{8} + \frac{5}{12}$

8.  $\frac{3}{5} + \frac{2}{15}$

9.  $\frac{2}{5} + \frac{1}{6}$

10.  $\frac{1}{15} + \frac{7}{10}$

Find the sum.

11.  $\frac{1}{3} + \frac{1}{6}$

12.  $\frac{1}{3} + \frac{1}{12}$

13.  $\frac{1}{2} + \frac{3}{4}$

14.  $\frac{5}{6} + \frac{1}{8}$

15.  $\frac{2}{5} + \frac{1}{3}$

16.  $\frac{1}{5} + \frac{7}{15}$

17.  $\frac{1}{2} + \frac{3}{8}$

18.  $\frac{2}{3} + \frac{1}{6}$

19.  $\frac{2}{5} + \frac{1}{10}$

20.  $\frac{3}{4} + \frac{1}{12}$

21.  $\frac{3}{5} + \frac{3}{10}$

22.  $\frac{5}{6} + \frac{2}{9}$

23.  $\frac{3}{4} + \frac{5}{12}$

24.  $\frac{2}{3} + \frac{1}{4}$

25.  $\frac{3}{6} + \frac{2}{5}$

Add. Write answers in simplest form.

26.  $\frac{3}{10} + \frac{1}{2}$

27.  $\frac{3}{5} + \frac{2}{25}$

28.  $\frac{2}{9} + \frac{11}{12}$

29.  $\frac{2}{5} + \frac{5}{8}$

30.  $\frac{6}{7} + \frac{1}{9}$

31.  $\frac{2}{5} + \frac{1}{10}$

32.  $\frac{3}{8} + \frac{1}{2}$

33.  $\frac{2}{3} + \frac{4}{15}$

34.  $\frac{3}{4} + \frac{5}{6}$

35.  $\frac{2}{3} + \frac{3}{5}$

36.  $\frac{1}{3} + \frac{2}{3} + \frac{5}{9}$

37.  $\frac{1}{5} + \frac{1}{10} + \frac{3}{5}$

38.  $\frac{3}{4} + \frac{3}{8} + \frac{1}{8}$

39.  $\frac{1}{4} + \frac{1}{12} + \frac{1}{3}$

40.  $\frac{1}{6} + \frac{2}{9} + \frac{1}{18}$

# Subtraction

Find each difference.

$$\begin{array}{r} 4. \quad \frac{1}{3} \\ - \frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad \frac{4}{5} \\ - \frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \frac{7}{9} \\ - \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \frac{2}{5} \\ - \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \frac{4}{5} \\ - \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \frac{3}{4} \\ - \frac{1}{6} \\ \hline \end{array}$$

$$10. \quad \frac{6}{7} - \frac{2}{3}$$

$$11. \quad \frac{3}{5} - \frac{1}{8}$$

$$12. \quad \frac{7}{10} - \frac{2}{3}$$

$$13. \quad \frac{5}{6} - \frac{1}{3}$$

$$14. \quad \frac{3}{7} - \frac{1}{3}$$

$$15. \quad \frac{9}{10} - \frac{1}{4}$$

Find each difference.

$$\begin{array}{r} 16. \quad \frac{5}{6} \\ - \frac{2}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad \frac{4}{5} \\ - \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad \frac{8}{9} \\ - \frac{5}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad \frac{13}{15} \\ - \frac{4}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad \frac{6}{7} \\ - \frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad \frac{9}{10} \\ - \frac{2}{3} \\ \hline \end{array}$$

$$22. \quad \frac{5}{7} - \frac{3}{5}$$

$$23. \quad \frac{7}{9} - \frac{2}{3}$$

$$24. \quad \frac{5}{6} - \frac{4}{5}$$

$$25. \quad \frac{7}{8} - \frac{2}{3}$$

$$26. \quad \frac{4}{5} - \frac{3}{7}$$

$$27. \quad \frac{1}{2} - \frac{2}{11}$$