1 Exercises

1.1 Addition of Unlike Fractions (Proper and Improper Fractions)

Add the fractions. Reduce your answer to its lowest terms. If your answer is an improper fraction, convert it to a mixed number. Show your work in the space provided.

1. $\frac{1}{2} + \frac{1}{6} =$ __

2. $\frac{3}{4} + \frac{1}{2} =$ ___

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

4. $\frac{1}{2} + \frac{8}{3} =$ ___

5. $\frac{2}{6} + \frac{1}{4} =$ ___

6. $\frac{1}{3} + \frac{3}{6} =$ __

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

8. $\frac{11}{4} + \frac{1}{2} =$ ___

9. $\frac{3}{5} + \frac{1}{6} =$ ___

10. $\frac{2}{5} + \frac{3}{4} =$ ____

11. $\frac{4}{5} + \frac{2}{3} =$ ____

12. $\frac{3}{4} + \frac{6}{3} =$ ___

13. $\frac{23}{5} + \frac{1}{2} =$ ____

14. $\frac{2}{5} + \frac{7}{4} =$ ____

15. $\frac{3}{5} + \frac{4}{6} =$ ____

16. $\frac{2}{5} + \frac{12}{3} =$ ____

17. $\frac{1}{3} + \frac{14}{9} =$ ____

18. $\frac{4}{3} + \frac{19}{2} =$ ____

19. $\frac{18}{7} + \frac{1}{4} =$ ____

20. $\frac{2}{3} + \frac{23}{4} =$ ____

21. $\frac{8}{3} + \frac{4}{6} =$ ____

22. $\frac{16}{7} + \frac{2}{3} =$ ____

23. $\frac{19}{6} + \frac{2}{3} =$ ____

24. $\frac{3}{4} + \frac{22}{3} =$ ____

25. $\frac{17}{2} + \frac{7}{4} =$ ____

26. $\frac{19}{2} + \frac{6}{5} =$ _____

27. $\frac{6}{4} + \frac{8}{6} =$ ____

28. $\frac{3}{6} + \frac{13}{5} =$ ____

29. $\frac{8}{10} + \frac{5}{3} =$ ____

30. $\frac{5}{6} + \frac{12}{4} =$ ____

31. $\frac{9}{6} + \frac{7}{4} =$ ____

32. $\frac{13}{6} + \frac{4}{5} =$ ____

33. $\frac{17}{5} + \frac{5}{4} =$ ____

34. $\frac{10}{5} + \frac{13}{6} =$ ____

35. $\frac{17}{6} + \frac{5}{8} =$ ____

36. $\frac{21}{3} + \frac{11}{6} =$ ____

37. $\frac{21}{4} + \frac{17}{6} =$ ____

2 Answers

2.1 Addition of Unlike Fractions (Proper and Improper Fractions)

Add the fractions. Reduce your answer to its lowest terms. If your answer is an improper fraction, convert it to a mixed number. Show your work in the space provided.

1. $\frac{1}{2} + \frac{1}{6} = \underline{\frac{2}{3}}$

2. $\frac{3}{4} + \frac{1}{2} = \underline{1\frac{1}{4}}$

3. $\frac{1}{3} + \frac{3}{4} = \underline{1\frac{1}{12}}$

4. $\frac{1}{2} + \frac{8}{3} = \underline{3\frac{1}{6}}$

5. $\frac{2}{6} + \frac{1}{4} = \underline{\frac{7}{12}}$

6. $\frac{1}{3} + \frac{3}{6} = \underline{\frac{5}{6}}$

7. $\frac{1}{2} + \frac{5}{7} = \underline{1\frac{3}{14}}$

8. $\frac{11}{4} + \frac{1}{2} = \underline{3\frac{1}{4}}$

9. $\frac{3}{5} + \frac{1}{6} = \underline{\frac{23}{30}}$

10. $\frac{2}{5} + \frac{3}{4} = 1\frac{3}{20}$

11. $\frac{4}{5} + \frac{2}{3} = 1\frac{7}{15}$

12. $\frac{3}{4} + \frac{6}{3} = 2\frac{3}{4}$

13. $\frac{23}{5} + \frac{1}{2} = 5\frac{1}{10}$

14. $\frac{2}{5} + \frac{7}{4} = 2\frac{3}{20}$

15. $\frac{3}{5} + \frac{4}{6} = 1\frac{4}{15}$

16. $\frac{2}{5} + \frac{12}{3} = 4\frac{2}{5}$

17. $\frac{1}{3} + \frac{14}{9} = 1\frac{8}{9}$

18. $\frac{4}{3} + \frac{19}{2} = 10\frac{5}{6}$

19. $\frac{18}{7} + \frac{1}{4} = 2\frac{23}{28}$

20. $\frac{2}{3} + \frac{23}{4} = 6\frac{5}{12}$

21. $\frac{8}{3} + \frac{4}{6} = 3\frac{1}{3}$

22. $\frac{16}{7} + \frac{2}{3} = 2\frac{20}{21}$

23. $\frac{19}{6} + \frac{2}{3} = 3\frac{5}{6}$

24. $\frac{3}{4} + \frac{22}{3} = 8\frac{1}{12}$

25. $\frac{17}{2} + \frac{7}{4} = 10\frac{1}{4}$

26. $\frac{19}{2} + \frac{6}{5} = 10\frac{7}{10}$

27. $\frac{6}{4} + \frac{8}{6} = 2\frac{5}{6}$

28. $\frac{3}{6} + \frac{13}{5} = 3\frac{1}{10}$

29. $\frac{8}{10} + \frac{5}{3} = 2\frac{7}{15}$

30. $\frac{5}{6} + \frac{12}{4} = 3\frac{5}{6}$

31. $\frac{9}{6} + \frac{7}{4} = 3\frac{1}{4}$

32. $\frac{13}{6} + \frac{4}{5} = 2\frac{29}{30}$

33. $\frac{17}{5} + \frac{5}{4} = 4\frac{13}{20}$

34. $\frac{10}{5} + \frac{13}{6} = 4\frac{1}{6}$

35. $\frac{17}{6} + \frac{5}{8} = 3\frac{11}{24}$

36. $\frac{21}{3} + \frac{11}{6} = 8\frac{5}{6}$

37. $\frac{21}{4} + \frac{17}{6} = 8\frac{1}{12}$