1 Exercises

1.1 Addition of Unlike Fractions (Proper and Mixed 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. $3\frac{1}{2} + 3 =$ ___
2. $\frac{2}{3} + 0 =$ __
3. $3\frac{2}{4} + 0 =$ ___
4. $\frac{2}{2} + 4 =$ __
5. $0 + \frac{4}{4} =$ __
6. $1\frac{2}{3} + 4 =$ ___
7. $0 + \frac{7}{5} =$ ___
8. $\frac{1}{2} + 4\frac{1}{3} =$ ___
9. $\frac{1}{2} + \frac{5}{5} =$ ___
10. $\frac{3}{4} + \frac{1}{5} =$ ___
11. $\frac{1}{2} + 1\frac{6}{7} =$ ____
12. $2\frac{1}{3} + \frac{4}{4} =$ ___
13. $\frac{3}{6} + \frac{3}{3} =$ ___
14. $\frac{7}{6} + 2\frac{1}{3} =$ ___
15. $\frac{5}{7} + \frac{2}{5} =$ ____

16. $5\frac{3}{4} + \frac{1}{6} =$ ____

17. $\frac{21}{3} + 3\frac{1}{2} =$ ____

18. $\frac{1}{4} + \frac{19}{5} =$ ____

19. $\frac{12}{6} + \frac{1}{7} =$ ___

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

21. $\frac{2}{3} + 4\frac{4}{7} =$ ____

22. $3\frac{3}{5} + 2\frac{1}{8} =$ ____

23. $9\frac{6}{7} + \frac{1}{2} =$ _____

24. $\frac{2}{3} + \frac{27}{6} =$ ___

25. $2\frac{2}{6} + \frac{7}{7} =$ ___

26. $\frac{8}{7} + \frac{5}{5} =$ ___

27. $\frac{5}{6} + 8\frac{2}{3} =$ ___

28. $\frac{11}{3} + \frac{9}{5} =$ ____

29. $\frac{10}{6} + 1\frac{4}{7} =$ ____

30. $\frac{13}{4} + \frac{13}{3} =$ ____

31. $8\frac{5}{7} + \frac{2}{4} =$ ____

32. $\frac{5}{6} + 9\frac{2}{5} =$ _____

33. $\frac{9}{10} + \frac{12}{4} =$ ____

34. $4\frac{4}{9} + 4\frac{5}{6} =$ ____

2 Answers

2.1 Addition of Unlike Fractions (Proper and Mixed 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. $3\frac{1}{2} + 3 = \underline{6\frac{1}{2}}$
2. $\frac{2}{3} + 0 = \underline{\frac{2}{3}}$
3. $3\frac{2}{4} + 0 = \underline{3\frac{1}{2}}$
4. $\frac{2}{2} + 4 = \underline{5}$
5. $0 + \frac{4}{4} = \underline{1}$
6. $1\frac{2}{3} + 4 = \underline{5\frac{2}{3}}$
7. $0 + \frac{7}{5} = \underline{1\frac{2}{5}}$
8. $\frac{1}{2} + 4\frac{1}{3} = \underline{4\frac{5}{6}}$
9. $\frac{1}{2} + \frac{5}{5} = \underline{1\frac{1}{2}}$
10. $\frac{3}{4} + \frac{1}{5} = \underline{\frac{19}{20}}$
11. $\frac{1}{2} + 1\frac{6}{7} = \underline{2\frac{5}{14}}$
12. $2\frac{1}{3} + \frac{4}{4} = \underline{3\frac{1}{3}}$

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

14. $\frac{7}{6} + 2\frac{1}{3} = 3\frac{1}{2}$

15. $\frac{5}{7} + \frac{2}{5} = 1\frac{4}{35}$

16. $5\frac{3}{4} + \frac{1}{6} = 5\frac{11}{12}$

17. $\frac{21}{3} + 3\frac{1}{2} = 10\frac{1}{2}$

18. $\frac{1}{4} + \frac{19}{5} = 4\frac{1}{20}$

19. $\frac{12}{6} + \frac{1}{7} = 2\frac{1}{7}$

20. $\frac{6}{8} + 4\frac{1}{3} = 5\frac{1}{12}$

21. $\frac{2}{3} + 4\frac{4}{7} = 5\frac{5}{21}$

22. $3\frac{3}{5} + 2\frac{1}{8} = 5\frac{29}{40}$

23. $9\frac{6}{7} + \frac{1}{2} = 10\frac{5}{14}$

24. $\frac{2}{3} + \frac{27}{6} = 5\frac{1}{6}$

25. $2\frac{2}{6} + \frac{7}{7} = 3\frac{1}{3}$

26. $\frac{8}{7} + \frac{5}{5} = 2\frac{1}{7}$

27. $\frac{5}{6} + 8\frac{2}{3} = 9\frac{1}{2}$

28. $\frac{11}{3} + \frac{9}{5} = 5\frac{7}{15}$

29. $\frac{10}{6} + 1\frac{4}{7} = 3\frac{5}{21}$

30. $\frac{13}{4} + \frac{13}{3} = 7\frac{7}{12}$

31. $8\frac{5}{7} + \frac{2}{4} = 9\frac{3}{14}$

32. $\frac{5}{6} + 9\frac{2}{5} = 10\frac{7}{30}$

33. $\frac{9}{10} + \frac{12}{4} = 3\frac{9}{10}$

34. $4\frac{4}{9} + 4\frac{5}{6} = 9\frac{5}{18}$