

LESSON 29

Mixed Numbers To Improper Fractions

A mixed number can be changed to an improper fraction by adding the whole number part and the fractional part. Multiply the denominator of the fractional part times the whole number and add the result to the numerator.

Example: Make $5 \frac{2}{3}$ into an improper fraction.

$$5 \frac{2}{3} = \frac{17}{3}$$

Since: $\frac{(3 \times 5)}{3} + \frac{2}{3} = \frac{17}{3}$

$$\frac{15}{3} + \frac{2}{3} = \frac{17}{3}$$

Change Each Mixed Number To An Improper Fraction

1. $3 \frac{1}{2} = \frac{7}{2}$	11. $5 \frac{3}{4} = \frac{23}{4}$	21. $2 \frac{3}{10} = \frac{23}{10}$
2. $5 \frac{1}{2} = \frac{11}{2}$	12. $6 \frac{1}{7} = \frac{43}{7}$	22. $7 \frac{9}{10} = \frac{79}{10}$
3. $6 \frac{2}{3} = \frac{20}{3}$	13. $8 \frac{3}{5} = \frac{43}{5}$	23. $8 \frac{8}{9} = \frac{80}{9}$
4. $3 \frac{1}{4} = \frac{13}{4}$	14. $5 \frac{1}{6} = \frac{31}{6}$	24. $9 \frac{4}{5} = \frac{49}{5}$
5. $5 \frac{2}{3} = \frac{17}{3}$	15. $7 \frac{1}{8} = \frac{57}{8}$	25. $3 \frac{2}{7} = \frac{23}{7}$
6. $6 \frac{3}{4} = \frac{27}{4}$	16. $5 \frac{3}{7} = \frac{38}{7}$	26. $8 \frac{1}{8} = \frac{65}{8}$
7. $1 \frac{1}{3} = \frac{4}{3}$	17. $6 \frac{5}{6} = \frac{41}{6}$	27. $9 \frac{7}{8} = \frac{79}{8}$
8. $6 \frac{1}{3} = \frac{19}{3}$	18. $7 \frac{3}{8} = \frac{59}{8}$	28. $3 \frac{8}{9} = \frac{35}{9}$
9. $7 \frac{1}{2} = \frac{15}{2}$	19. $5 \frac{5}{9} = \frac{50}{9}$	29. $8 \frac{4}{7} = \frac{60}{7}$
10. $8 \frac{2}{3} = \frac{26}{3}$	20. $4 \frac{6}{7} = \frac{34}{7}$	30. $4 \frac{5}{8} = \frac{37}{8}$

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31. $5 \frac{1}{12} = \frac{61}{12}$	41. $2 \frac{1}{15} = \frac{31}{15}$	51. $5 \frac{7}{15} = \frac{82}{15}$
32. $6 \frac{7}{13} = \frac{85}{13}$	42. $4 \frac{5}{12} = \frac{53}{12}$	52. $3 \frac{11}{12} = \frac{47}{12}$
33. $4 \frac{1}{15} = \frac{61}{15}$	43. $3 \frac{4}{11} = \frac{37}{11}$	53. $1 \frac{17}{18} = \frac{35}{18}$
34. $2 \frac{3}{17} = \frac{37}{17}$	44. $2 \frac{1}{18} = \frac{37}{18}$	54. $4 \frac{5}{21} = \frac{89}{21}$
35. $4 \frac{1}{14} = \frac{57}{14}$	45. $3 \frac{2}{15} = \frac{47}{15}$	55. $7 \frac{7}{12} = \frac{91}{12}$
36. $1 \frac{18}{19} = \frac{37}{19}$	46. $2 \frac{11}{13} = \frac{37}{13}$	56. $2 \frac{5}{33} = \frac{71}{33}$
37. $3 \frac{5}{13} = \frac{44}{13}$	47. $1 \frac{2}{17} = \frac{19}{17}$	57. $3 \frac{8}{19} = \frac{85}{19}$
38. $4 \frac{7}{11} = \frac{51}{11}$	48. $6 \frac{1}{11} = \frac{67}{11}$	58. $4 \frac{3}{11} = \frac{47}{11}$
39. $6 \frac{5}{14} = \frac{89}{14}$	49. $4 \frac{6}{13} = \frac{58}{13}$	59. $5 \frac{13}{15} = \frac{88}{15}$
40. $7 \frac{1}{13} = \frac{92}{13}$	50. $2 \frac{14}{15} = \frac{44}{15}$	60. $3 \frac{20}{21} = \frac{83}{21}$