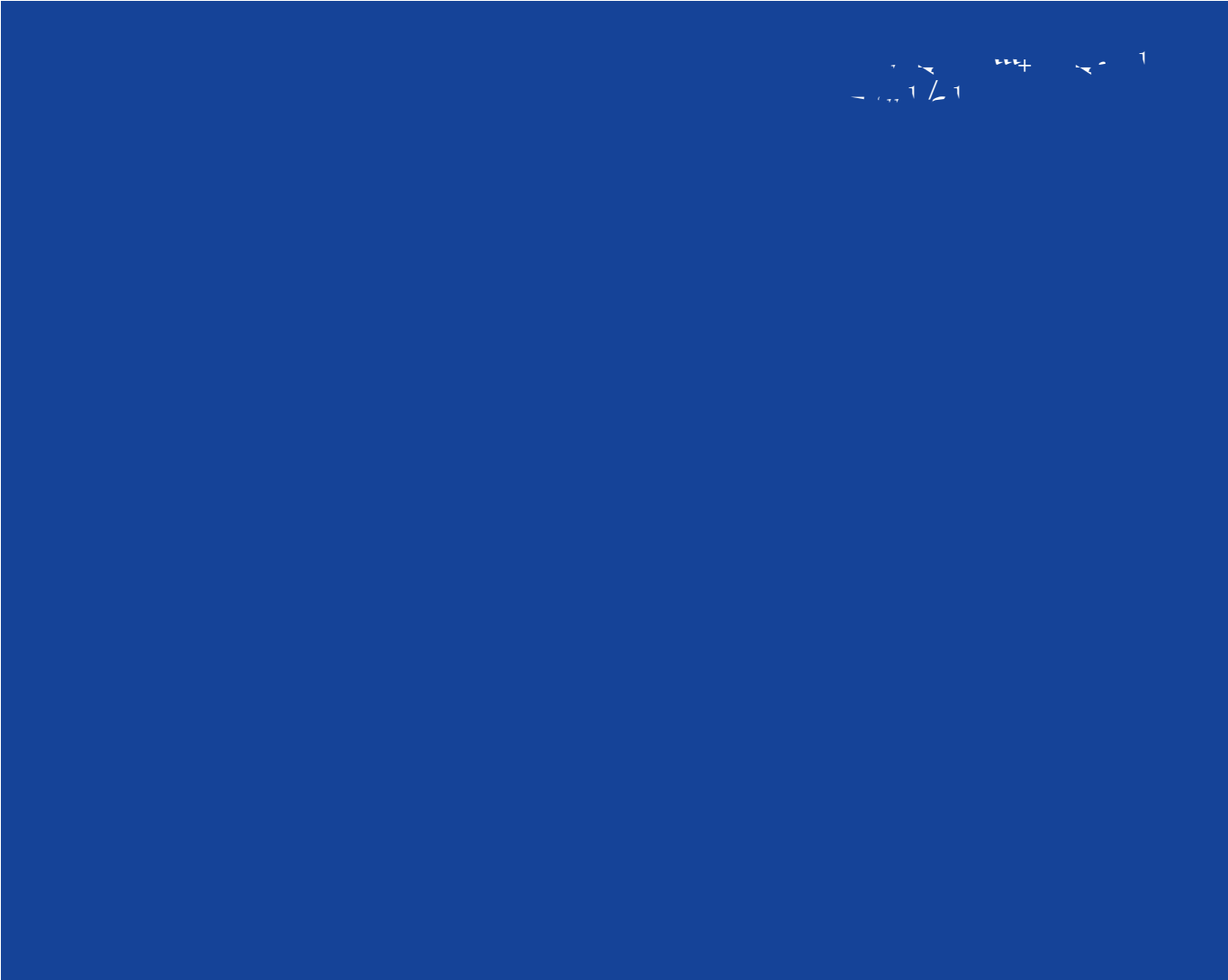


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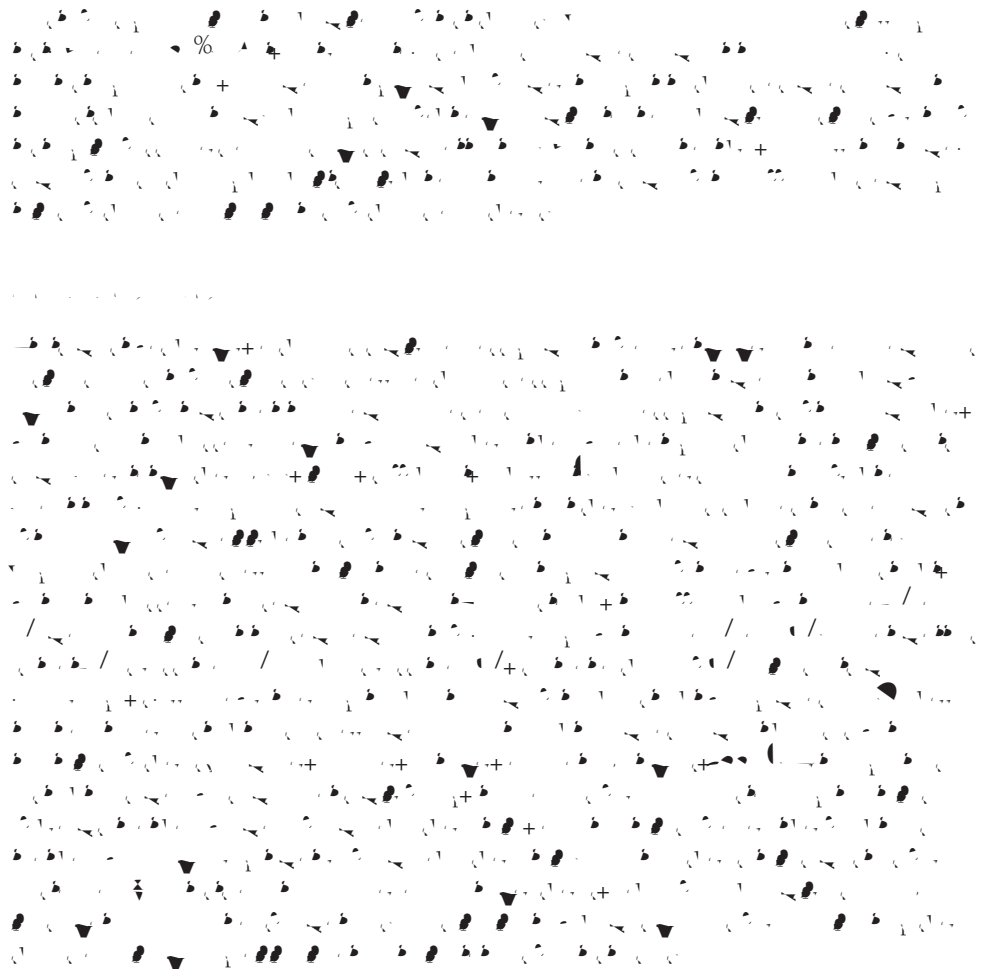
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ADA WOO, PhD

KAREN SUTHERLAND, PhD, RN



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

2. $\frac{2}{5} + \frac{1}{4} = \frac{8}{20} + \frac{5}{20} = \frac{13}{20}$

3. $\frac{3}{8} + \frac{1}{2} = \frac{3}{8} + \frac{4}{8} = \frac{7}{8}$

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

5. $\frac{4}{7} + \frac{1}{5} = \frac{20}{35} + \frac{7}{35} = \frac{27}{35}$

6. $\frac{5}{9} + \frac{2}{3} = \frac{5}{9} + \frac{6}{9} = \frac{11}{9} = 1\frac{2}{9}$

7. $\frac{2}{3} + \frac{1}{4} = \frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

8. $\frac{3}{5} + \frac{1}{2} = \frac{6}{10} + \frac{5}{10} = \frac{11}{10} = 1\frac{1}{10}$

9. $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$

10. $\frac{2}{7} + \frac{3}{4} = \frac{8}{28} + \frac{21}{28} = \frac{29}{28} = 1\frac{1}{28}$

11. $\frac{3}{4} + \frac{1}{3} = \frac{9}{12} + \frac{4}{12} = \frac{13}{12} = 1\frac{1}{12}$

12. $\frac{4}{6} + \frac{1}{2} = \frac{4}{6} + \frac{3}{6} = \frac{7}{6} = 1\frac{1}{6}$

13. $\frac{5}{8} + \frac{1}{4} = \frac{5}{8} + \frac{2}{8} = \frac{7}{8}$

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

15. $\frac{2}{5} + \frac{3}{4} = \frac{8}{20} + \frac{15}{20} = \frac{23}{20} = 1\frac{3}{20}$

16. $\frac{3}{7} + \frac{1}{2} = \frac{6}{14} + \frac{7}{14} = \frac{13}{14}$

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

18. $\frac{5}{6} + \frac{1}{4} = \frac{10}{12} + \frac{3}{12} = \frac{13}{12} = 1\frac{1}{12}$

19. $\frac{2}{3} + \frac{1}{5} = \frac{10}{15} + \frac{3}{15} = \frac{13}{15}$

20. $\frac{3}{8} + \frac{2}{3} = \frac{9}{24} + \frac{16}{24} = \frac{25}{24} = 1\frac{1}{24}$

21. $\frac{1}{2} + \frac{2}{3} = \frac{3}{6} + \frac{4}{6} = \frac{7}{6} = 1\frac{1}{6}$

22. $\frac{3}{5} + \frac{1}{4} = \frac{12}{20} + \frac{5}{20} = \frac{17}{20}$

23. $\frac{4}{7} + \frac{2}{3} = \frac{12}{21} + \frac{14}{21} = \frac{26}{21} = 1\frac{5}{21}$

24. $\frac{5}{9} + \frac{1}{2} = \frac{10}{18} + \frac{9}{18} = \frac{19}{18} = 1\frac{1}{18}$

25. $\frac{2}{3} + \frac{3}{4} = \frac{8}{12} + \frac{9}{12} = \frac{17}{12} = 1\frac{5}{12}$

26. $\frac{3}{4} + \frac{1}{5} = \frac{15}{20} + \frac{4}{20} = \frac{19}{20}$

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

28. $\frac{5}{8} + \frac{3}{4} = \frac{5}{8} + \frac{6}{8} = \frac{11}{8} = 1\frac{3}{8}$

29. $\frac{1}{3} + \frac{2}{5} = \frac{2}{6} + \frac{4}{6} = \frac{6}{6} = 1$

30. $\frac{2}{7} + \frac{3}{8} = \frac{16}{56} + \frac{21}{56} = \frac{37}{56}$

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

32. $\frac{4}{5} + \frac{1}{3} = \frac{12}{15} + \frac{5}{15} = \frac{17}{15} = 1\frac{2}{15}$

33. $\frac{5}{6} + \frac{2}{3} = \frac{5}{6} + \frac{4}{6} = \frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$

34. $\frac{1}{4} + \frac{3}{5} = \frac{5}{20} + \frac{12}{20} = \frac{17}{20}$

35. $\frac{2}{5} + \frac{4}{6} = \frac{4}{10} + \frac{20}{30} = \frac{4}{10} + \frac{13}{15} = \frac{12}{30} + \frac{26}{30} = \frac{38}{30} = 1\frac{19}{15}$

36. $\frac{3}{7} + \frac{2}{3} = \frac{6}{21} + \frac{14}{21} = \frac{20}{21}$

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

38. $\frac{5}{9} + \frac{3}{4} = \frac{20}{36} + \frac{27}{36} = \frac{47}{36} = 1\frac{11}{36}$

39. $\frac{2}{3} + \frac{1}{4} = \frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

40. $\frac{3}{5} + \frac{2}{3} = \frac{6}{15} + \frac{10}{15} = \frac{16}{15} = 1\frac{1}{15}$

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

42. $\frac{5}{7} + \frac{2}{5} = \frac{10}{35} + \frac{14}{35} = \frac{24}{35}$

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

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

45. $\frac{3}{8} + \frac{1}{2} = \frac{3}{8} + \frac{4}{8} = \frac{7}{8}$

46. $\frac{4}{5} + \frac{1}{4} = \frac{16}{20} + \frac{5}{20} = \frac{21}{20} = 1\frac{1}{20}$

47. $\frac{5}{9} + \frac{2}{3} = \frac{5}{9} + \frac{6}{9} = \frac{11}{9} = 1\frac{2}{9}$

48. $\frac{2}{7} + \frac{3}{5} = \frac{10}{35} + \frac{21}{35} = \frac{31}{35}$

49. $\frac{3}{4} + \frac{1}{3} = \frac{9}{12} + \frac{4}{12} = \frac{13}{12} = 1\frac{1}{12}$

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

51. $\frac{5}{8} + \frac{1}{2} = \frac{5}{8} + \frac{4}{8} = \frac{9}{8} = 1\frac{1}{8}$

52. $\frac{1}{3} + \frac{2}{5} = \frac{2}{6} + \frac{4}{6} = \frac{6}{6} = 1$

53. $\frac{2}{4} + \frac{3}{5} = \frac{10}{20} + \frac{12}{20} = \frac{22}{20} = 1\frac{3}{5}$

54. $\frac{3}{7} + \frac{4}{6} = \frac{6}{14} + \frac{14}{14} = \frac{20}{14} = 1\frac{6}{14} = 1\frac{3}{7}$

55. $\frac{4}{9} + \frac{1}{2} = \frac{8}{18} + \frac{9}{18} = \frac{17}{18}$

56. $\frac{5}{6} + \frac{2}{3} = \frac{5}{6} + \frac{4}{6} = \frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$

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61. $\frac{5}{9} + \frac{3}{4} = \frac{20}{36} + \frac{27}{36} = \frac{47}{36} = 1\frac{11}{36}$

62. $\frac{2}{3} + \frac{1}{4} = \frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

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

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

68. $\frac{3}{8} + \frac{1}{2} = \frac{3}{8} + \frac{4}{8} = \frac{7}{8}$

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

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75. $\frac{1}{3} + \frac{2}{5} = \frac{2}{6} + \frac{4}{6} = \frac{6}{6} = 1$

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79. $\frac{5}{6} + \frac{2}{3} = \frac{5}{6} + \frac{4}{6} = \frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$

80. $\frac{1}{4} + \frac{3}{5} = \frac{5}{20} + \frac{12}{20} = \frac{17}{20}$

$\frac{1}{x^2} = x^{-2}$
 $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

$\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$

21

$\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
 $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$