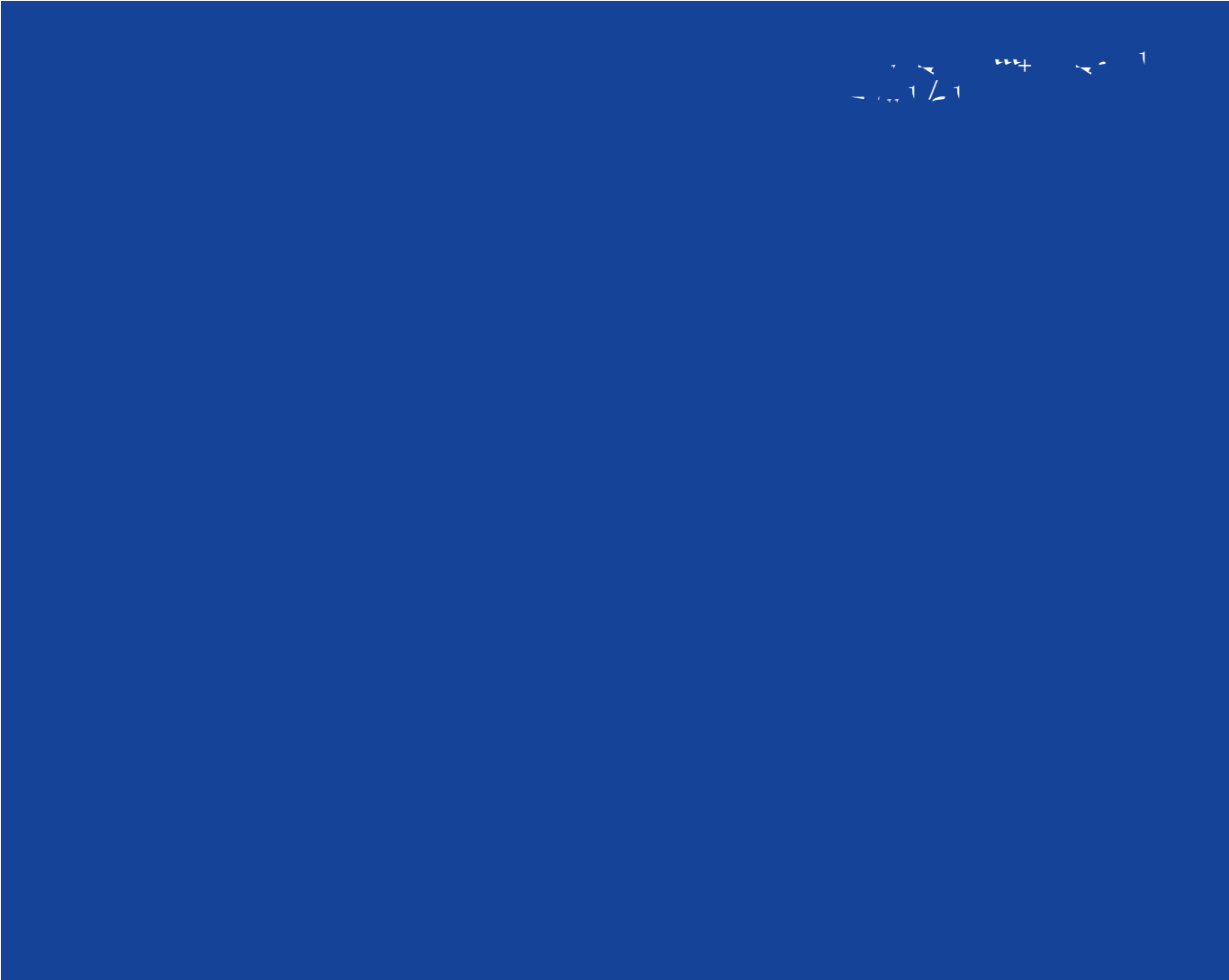


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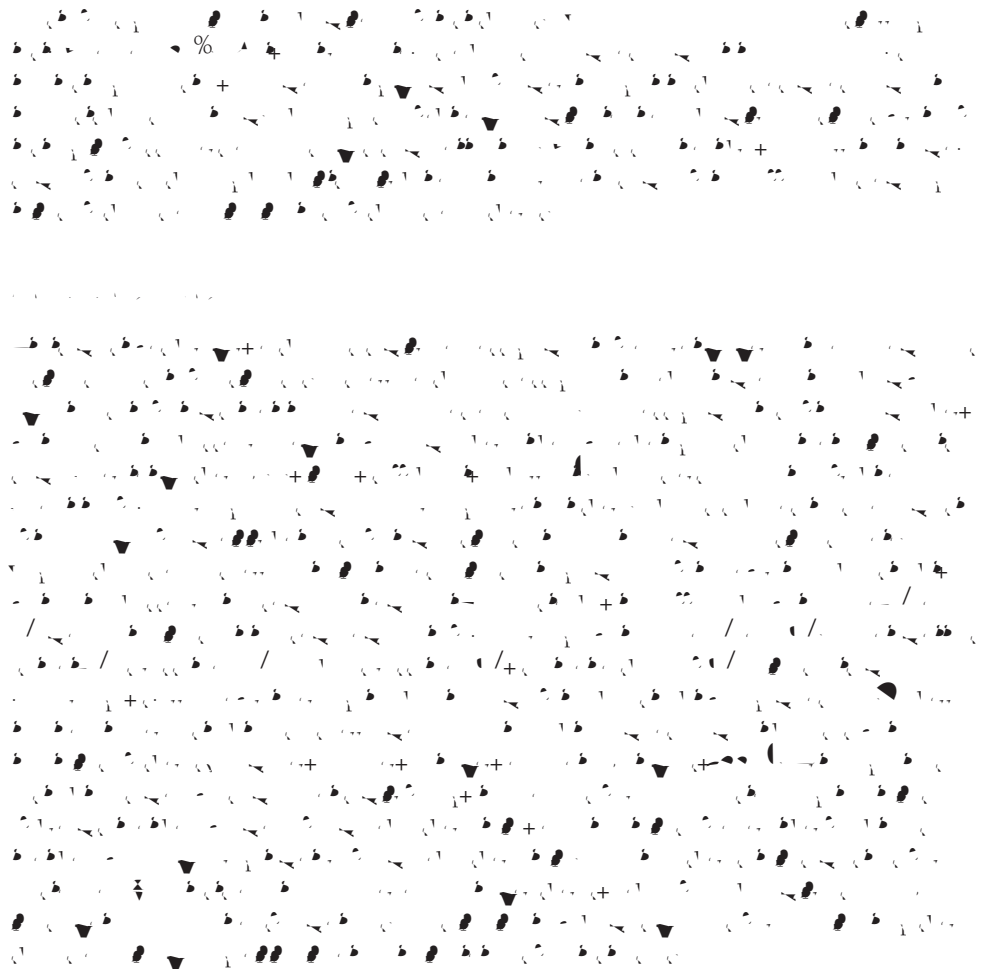
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KAREN SUTHERLAND, PhD, RN



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. $\frac{3}{7} + \frac{2}{8} = \frac{6}{14} + \frac{3.5}{14} = \frac{9.5}{14}$

4. $\frac{4}{9} + \frac{1}{6} = \frac{8}{18} + \frac{3}{18} = \frac{11}{18}$

5. $\frac{5}{10} + \frac{2}{5} = \frac{5}{10} + \frac{4}{10} = \frac{9}{10}$

6. $\frac{6}{11} + \frac{3}{12} = \frac{12}{22} + \frac{5.5}{22} = \frac{17.5}{22}$

7. $\frac{7}{13} + \frac{4}{15} = \frac{105}{195} + \frac{104}{195} = \frac{209}{195}$

8. $\frac{8}{16} + \frac{5}{8} = \frac{8}{16} + \frac{10}{16} = \frac{18}{16} = \frac{9}{8}$

9. $\frac{9}{17} + \frac{6}{18} = \frac{18}{34} + \frac{11.33}{34} = \frac{29.33}{34}$

10. $\frac{10}{19} + \frac{7}{20} = \frac{40}{380} + \frac{133}{380} = \frac{173}{380}$

11. $\frac{11}{21} + \frac{8}{22} = \frac{22}{42} + \frac{15.71}{42} = \frac{37.71}{42}$

12. $\frac{12}{23} + \frac{9}{24} = \frac{24}{46} + \frac{17.25}{46} = \frac{41.25}{46}$

13. $\frac{13}{25} + \frac{10}{26} = \frac{26}{50} + \frac{19.23}{50} = \frac{45.23}{50}$

14. $\frac{14}{27} + \frac{11}{28} = \frac{28}{54} + \frac{20.71}{54} = \frac{48.71}{54}$

15. $\frac{15}{29} + \frac{12}{30} = \frac{30}{58} + \frac{23.33}{58} = \frac{53.33}{58}$

16. $\frac{16}{31} + \frac{13}{32} = \frac{32}{62} + \frac{25.69}{62} = \frac{57.69}{62}$

17. $\frac{17}{33} + \frac{14}{34} = \frac{34}{66} + \frac{29.09}{66} = \frac{63.09}{66}$

18. $\frac{18}{35} + \frac{15}{36} = \frac{36}{70} + \frac{31.5}{70} = \frac{67.5}{70}$

19. $\frac{19}{37} + \frac{16}{38} = \frac{38}{74} + \frac{33.26}{74} = \frac{71.26}{74}$

20. $\frac{20}{39} + \frac{17}{40} = \frac{40}{78} + \frac{35.67}{78} = \frac{75.67}{78}$

21. $\frac{21}{41} + \frac{18}{42} = \frac{42}{82} + \frac{36.19}{82} = \frac{78.19}{82}$

22. $\frac{22}{43} + \frac{19}{44} = \frac{44}{86} + \frac{39.54}{86} = \frac{83.54}{86}$

23. $\frac{23}{45} + \frac{20}{46} = \frac{46}{90} + \frac{41.78}{90} = \frac{87.78}{90}$

24. $\frac{24}{47} + \frac{21}{48} = \frac{48}{94} + \frac{44.13}{94} = \frac{92.13}{94}$

25. $\frac{25}{49} + \frac{22}{50} = \frac{50}{98} + \frac{46.43}{98} = \frac{96.43}{98}$

26. $\frac{26}{51} + \frac{23}{52} = \frac{52}{102} + \frac{48.77}{102} = \frac{100.77}{102}$

27. $\frac{27}{53} + \frac{24}{54} = \frac{54}{106} + \frac{51.11}{106} = \frac{105.11}{106}$

28. $\frac{28}{55} + \frac{25}{56} = \frac{56}{110} + \frac{53.45}{110} = \frac{109.45}{110}$

29. $\frac{29}{57} + \frac{26}{58} = \frac{58}{114} + \frac{55.79}{114} = \frac{113.79}{114}$

30. $\frac{30}{59} + \frac{27}{60} = \frac{60}{118} + \frac{58.14}{118} = \frac{118.14}{118}$

31. $\frac{31}{61} + \frac{28}{62} = \frac{62}{122} + \frac{60.48}{122} = \frac{122.48}{122}$

32. $\frac{32}{63} + \frac{29}{64} = \frac{64}{126} + \frac{62.82}{126} = \frac{126.82}{126}$

33. $\frac{33}{65} + \frac{30}{66} = \frac{66}{130} + \frac{65.16}{130} = \frac{131.16}{130}$

34. $\frac{34}{67} + \frac{31}{68} = \frac{68}{134} + \frac{67.5}{134} = \frac{135.5}{134}$

35. $\frac{35}{69} + \frac{32}{70} = \frac{70}{138} + \frac{69.84}{138} = \frac{139.84}{138}$

36. $\frac{36}{71} + \frac{33}{72} = \frac{72}{142} + \frac{72.18}{142} = \frac{144.18}{142}$

37. $\frac{37}{73} + \frac{34}{74} = \frac{74}{146} + \frac{74.52}{146} = \frac{148.52}{146}$

38. $\frac{38}{75} + \frac{35}{76} = \frac{76}{150} + \frac{76.86}{150} = \frac{152.86}{150}$

39. $\frac{39}{77} + \frac{36}{78} = \frac{78}{154} + \frac{79.2}{154} = \frac{157.2}{154}$

40. $\frac{40}{79} + \frac{37}{80} = \frac{80}{158} + \frac{81.54}{158} = \frac{161.54}{158}$

41. $\frac{41}{81} + \frac{38}{82} = \frac{82}{162} + \frac{83.88}{162} = \frac{165.88}{162}$

42. $\frac{42}{83} + \frac{39}{84} = \frac{84}{166} + \frac{86.22}{166} = \frac{170.22}{166}$

43. $\frac{43}{85} + \frac{40}{86} = \frac{86}{170} + \frac{88.56}{170} = \frac{174.56}{170}$

44. $\frac{44}{87} + \frac{41}{88} = \frac{88}{174} + \frac{90.9}{174} = \frac{178.9}{174}$

45. $\frac{45}{89} + \frac{42}{90} = \frac{90}{178} + \frac{93.24}{178} = \frac{183.24}{178}$

46. $\frac{46}{91} + \frac{43}{92} = \frac{92}{182} + \frac{95.58}{182} = \frac{187.58}{182}$

47. $\frac{47}{93} + \frac{44}{94} = \frac{94}{186} + \frac{97.92}{186} = \frac{191.92}{186}$

48. $\frac{48}{95} + \frac{45}{96} = \frac{96}{190} + \frac{100.26}{190} = \frac{196.26}{190}$

49. $\frac{49}{97} + \frac{46}{98} = \frac{98}{194} + \frac{102.6}{194} = \frac{200.6}{194}$

50. $\frac{50}{99} + \frac{47}{100} = \frac{100}{198} + \frac{104.94}{198} = \frac{204.94}{198}$

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

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

21

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