
Do NOT unfold this paper until
the Contest Director
gives you permission to do so!

THE UNIVERSITY INTERSCHOLASTIC LEAGUE

Slide Rule Contest

Number S-16

Conference:

Contestant's Serial Number:

Date of Contest:

Location of Contest:

Contestant's Net Score:

1. $2.81 \times 0.494 \times 3.21$ ----- equals _____
2. $16.7 \times 4.32 \times 0.0261$ ----- equals _____
3. $3740 \times 8.21 \times 0.0115$ ----- equals _____
4. $6.71 \times 0.00815 \times 3.27$ ----- equals _____
5. $\frac{15.5 \times 0.637}{0.418}$ ----- equals _____
6. $\frac{37.8}{2.61 \times 0.837}$ ----- equals _____
7. $\frac{9.05 \times 0.0581}{3.65 \times 0.727}$ ----- equals _____
8. $\frac{2.11 \times 7.68 \times 3.42}{5280}$ ----- equals _____
9. $\frac{0.00816}{0.0416 \times 3.72 \times 1.09}$ ----- equals _____
10. $\frac{2.77 \times 3640}{1.66 \times 39.2 \times 40.1}$ ----- equals _____
11. $\frac{1.76 \times 0.415 \times 3.29}{6.17 \times 9.54 \times 13.2}$ ----- equals _____
12. $\frac{2.77 \times 8.16 \times 0.525 \times 19.6}{32,500 \times 0.00868}$ ----- equals _____
13. $\frac{5.75 \times 0.396 \times 4260}{727 \times 0.165 \times 0.00329}$ ----- equals _____
14. $\frac{2.99 \times 0.00365 \times 4.82 \times 717}{0.0525 \times 6.19 \times 0.000615}$ ----- equals _____

$$15. \frac{0.216 \times \sqrt{13.7} \times 4.66}{0.0804 \times 2.75 \times 1.82} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$16. \frac{15.2 \times 0.00516 \times \sqrt{3.04}}{\sqrt{3.25} \times 14.9 \times 0.0373} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$17. \frac{(11.2)^2 \times 0.365 \times 19,200}{21.5 \times \sqrt{274} \times 3620} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$18. \sqrt{4.81} \times 0.293 \times (704)^2 \times 0.115 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$19. \frac{\sqrt{17.6} \times 1.82 \times 0.0515 \times 1.66}{0.00392 \times (20.4)^2 \times 0.0815} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$20. \frac{(0.00372)^2 \times \sqrt{46,300} \times 1.29}{1.55 \times 60.3 \times 1.27 \times 0.112} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$21. \sqrt{0.000335} \times 2.83 \times (0.00169)^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$22. \frac{22.4 \times 30.5 \times 2,730,000}{\sqrt{15.8} \times (7270)^2 \times 0.0873} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$23. 2.99 \times \sqrt{1.43 \times 7.86} \times 0.00815 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$24. \frac{(32.6 \times 0.413)^2 \times 0.000719}{4.82 \times 3.66 \times 2.05 \times 3.11} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$25. \frac{(2.79)^3 \times 4.68 \times 0.337}{\sqrt{0.0816} \times 42.5 \times 6.05} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$26. \frac{(0.0279)^3 \times 3.62 \times 5040}{(286 \times 19.8)^2 \times 0.0352} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$27. \frac{72.8 \times \sqrt{3.61} \times 0.0495}{2.16 \times (0.374)^2 \times 2640} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$28. \frac{\sqrt[3]{1.29} \times 32.2 \times 52.8}{(0.000726 \times 529)^2 \times 0.392} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$29. \frac{(2.96 \times 0.412)^2}{1.86 \times 0.0297} \times \sqrt{\frac{4.27}{0.883}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$30. \frac{\sqrt[3]{1.79 \times 4.28 \times 0.0000427}}{(0.0167 \times 0.225)^2 \times 0.528} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$31. (0.00398 \times 218)^3 \times \sqrt{8640 \times 0.0326} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$32. \frac{28.6 \times 0.0274}{\sqrt{0.112 \times 3.68}} \times \frac{(2.67 \times 0.529)^2}{3.27 \times 16.8} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$33. \frac{\sqrt[3]{0.00237 \times 0.0194} \times 627,000}{(1.45 \times 3.29 \times 16.7)^3 \times 2.14} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$34. \left[\frac{0.297 \times 3420}{61.5 \times 3.92} \right]^2 \times \left[\frac{1.72 \times 496}{378 \times 2.55} \right]^3 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$35. \left[\frac{4.77 \times 0.256}{3.57 \times 4.92} \right]^2 \times \frac{\sqrt{4.22 \times 8.61}}{(2.04 \times 6.15)^3} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$36. \frac{\pi \times 0.866 \times 0.707 \times 5280}{\sqrt[3]{1.77 \times 2.09} \times (86.4 \times 17.7)^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$37. \sqrt{\frac{0.000428}{0.721 \times 4.16}} \times \frac{(3.75 \times 0.446)^3}{16.2 \times 0.0917} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$38. \frac{\sqrt{2.79 \times 0.00747 \times \pi} \times 43,400}{3.92 \times 55 \times (24 \times 0.00272)^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$39. \frac{\sqrt{\sqrt{82,600,000 \times 0.114} \times 0.000404}}{5.66 \times 19.2 \times 75 \times \pi \times 9.2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$40. \sqrt{(8.08 \times 0.372)^3 \times 4.55} \times [(0.627)^2]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$41. \left[\frac{14.2 \times 0.926}{3.75 \times 2.64} \right]^2 \times \sqrt{\frac{1.26 \times 13.4}{\sqrt{\pi} \times 0.00794}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$42. \frac{0.00292 \times \pi^3 \times (42.7 \times 3.62)^2}{\sqrt{2.86 \times 0.0374} \times 12.6 \times 0.145} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$43. \frac{\sqrt{2.75 \times \sqrt{\pi} \times 0.676 \times 3970}}{(27.4 \times 15.8)^2 \times \pi \times 0.397} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$44. \left[\frac{0.0283 \times \pi^2}{4.26 \times 0.191} \right]^2 \times \left[\frac{4.78 \times 0.516}{3.08 \times 6.71} \right]^3 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$45. \sqrt{\frac{0.0335}{62 \times 15}} \times \left[\frac{\pi}{72} \right]^2 \times \sqrt{\frac{0.468}{0.0327}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$46. \left[\frac{19.2}{7.66} \right]^3 \times \sqrt{\frac{0.427 \times \sqrt{\pi} \times 3.62}{4.23 \times 0.212 \times 0.617}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$47. \frac{52.7 \times 0.00000396 \times 2.22 \times 3.87}{(4.76 \times 0.00196)^2 \times (14.8 \times 0.727)^3} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$48. \left[\frac{0.729 \times 0.426}{92.8 \times 0.00363} \right]^2 \times \frac{(4.17 \times 25)^3}{3.29 \times 0.765} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$49. \frac{\sqrt{8,300,000 \times 762 \times 0.29 \times 71.4}}{\pi^3 \times 61.5 \times 78.4 \times 16 \times 35} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$50. \frac{88.2 \times 71.5}{\sqrt{13.6 \times 12.4}} \times \left[\frac{365 \times 24 \times 60}{5280 \times 0.616} \right]^3 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$51. \sqrt{\sqrt{39.2 \times 0.117} \times 0.819} \times \left[(0.726)^2 \right]^3 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$52. \frac{\sqrt[3]{\pi} \times 42.3 \times 0.000696 \times 3.29}{909 \times (0.117 \times 1.42)^2 \times 0.227} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$53. \frac{\sqrt{19.8 \times \pi^3} \times 0.00476 \times 0.309}{(2.16 \times 0.173 \times 0.418)^2 \times 0.0868} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$54. \frac{1.94 \times 0.00000276}{\sqrt{0.00316 \times 5.27}} \times \left[\frac{3730 \times 615}{1.77 \times 2.46} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$55. \sqrt{\sqrt{\frac{474}{0.0296}} \times \frac{368}{714}} \times \frac{\sqrt[3]{\pi} \times 365}{208,000} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$56. \frac{\sqrt[3]{0.392 \times 4.76 \times 21.3 \times 0.0474}}{\frac{15}{32} \times \sqrt{0.227} \times (1.78 \times 0.0662)^3} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$57. \frac{\left[\frac{3.86 \times 225}{0.00000286} \right]^2}{(0.00614 \times 0.192)^3} \times \frac{\sqrt{\sqrt{1.58 \times 2.7}}}{0.82 \times 0.0464} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$58. \frac{\sqrt[3]{3.87 \times 562,000} \times (2.98 \times 0.043)^2}{0.665 \times 276 \times 0.395 \times 0.607} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$59. \frac{\sqrt[3]{(6.14 \times 0.828)^2 \times 0.546 \times 716}}{\sqrt{\frac{0.392 \times 4.16}{0.0882 \times 0.543}} \times \frac{\pi}{3} \times 0.227} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$60. \left[\left[\frac{0.117 \times 3.04}{19.6 \times 0.022} \right]^2 \right]^2 \times \frac{\left[\frac{4.26}{3.78} \right]^3 \times 1.67}{0.0827 \times 0.909} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$61. \sqrt{\frac{\left[\frac{4.39}{2.68} \right]^3}{0.0000276}} \times \frac{\pi}{0.43} \times \frac{\sqrt[3]{\frac{0.32}{0.468}}}{24 \times 365} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$62. \frac{\sqrt{0.617 \times 42,300 \times 0.132 \times 12}}{(15 \times 62.4 \times 12)^2 \times \sqrt[3]{\pi} \times 0.773} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$63. \left[\frac{0.0863}{\left[\frac{7.26}{31.4} \right]^3} \right]^2 \sqrt{\frac{0.265 \times 13 \times 0.507}{\sqrt{\frac{2.78}{0.694}} \times 0.0000272}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$64. \left[\frac{\sqrt{0.445}}{0.0916} \right]^3 \times \left[\frac{9 \times \pi^2}{72,000} \right]^2 \times \sqrt{\frac{0.627}{0.00314}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$65. \frac{\sqrt{\frac{2.79}{73,600,000}} \times \left[\frac{2.6 \times \pi^3 \times 0.394}{6.26 \times 3.04 \times 12} \right]^2}{\sqrt[3]{\frac{2.64 \times 3.92}{17,000 \times 0.463}} \times 2.84 \times 0.0863} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$66. \frac{\sqrt{\frac{3.79}{0.0461}} \times \pi^3}{\sqrt[3]{\frac{7.84}{0.0772}} \times \pi^2} \times \left[\frac{0.27 \times 0.316}{0.84 \times 2.38} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$67. \frac{\sqrt{\sqrt{16.7 \times 0.42} \times \sqrt[3]{0.23 \times 1.9}}}{\sqrt[3]{\frac{3.11 \times 2.64}{0.000000312}} \times 0.014 \times 0.119} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$68. \sqrt{\frac{\sqrt{\pi}}{0.317}} \times \left[\frac{1.66}{3.84} \right]^3 \times \frac{\sqrt[3]{\pi}}{0.45} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$69. \left[\frac{279}{424} \right]^2 \times \frac{\sqrt{\sqrt{2.96 \times 15 \times \pi}}}{\frac{7.28 \times 0.000464}{0.27 \times 0.15 \times 0.19}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$70. \frac{[(0.116 \times 3.07)^2 \times (8.28 \times 0.75)^3]^2}{\sqrt{\sqrt{19.7 \times 0.38} \times \sqrt[3]{12.5 \times 0.367}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$71. \frac{\left[\frac{31 \times 765}{717 \times 68} \right]^2}{\left[\frac{408 \times 56}{29 \times 826} \right]^3} \times \sqrt{\frac{2.73 \times 1.66}{\sqrt{\frac{0.329 \times 0.848}{0.00372 \times 0.592}}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$72. \frac{\sqrt{(2.81 \times 0.000492)^3 \times 3,620,000}}{(1760 \times \pi)^2 \times \frac{0.00228 \times 0.406}{1.28 \times 8 \times 74.0}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$73. \sqrt{\frac{\left[\frac{6.19}{4.77} \right]^3}{2.23 \times 1.78}} \times \frac{\left[\frac{\sqrt[3]{\pi}}{6.25} \right]^2}{0.334} \times \sqrt{\frac{\sqrt{\pi}}{0.335}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$74. \sqrt[3]{\frac{\left[\frac{2.87 \times 1.35}{0.026 \times 3.44} \right]^2}{6.25 \times 0.00339}} \times \frac{\left[\frac{28}{64} \right]^3 \times \frac{\pi}{32}}{\sqrt{1.65 \times 0.43}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$75. \frac{\sqrt{\frac{0.00817}{\sqrt{\frac{0.325}{0.0617}}}} \times \frac{1.79}{\frac{3.45}{2.86}} \times \left[\frac{6.32}{\left[\frac{4.8}{3.9} \right]^2} \right]^2}{(1.77 \times 0.0000464)^3 \times 798 \times 396} \text{ ----- equals } \underline{\hspace{2cm}}$$

1.	4.46	4.44	to	4.48
2.	1.88	1.86	to	1.90
3.	3.53×10^{-1}	3.51×10^{-1}	to	3.55×10^{-1}
4.	1.79×10^1	1.77×10^1	to	1.81×10^1
5.	2.36×10^1	2.34×10^1	to	2.38×10^1
6.	1.73×10^{-1}	1.71×10^{-1}	to	1.75×10^{-1}
7.	1.98×10^{-1}	1.96×10^{-1}	to	2.00×10^{-1}
8.	1.05×10^{-2}	1.03×10^{-2}	to	1.07×10^{-2}
9.	4.84×10^{-2}	4.82×10^{-2}	to	4.86×10^{-2}
10.	3.86	3.84	to	3.88
11.	3.09×10^{-3}	3.07×10^{-3}	to	3.11×10^{-3}
12.	8.24×10^4	8.22×10^4	to	8.26×10^4
13.	2.46×10^5	2.44×10^5	to	2.48×10^5
14.	1.89×10^5	1.87×10^5	to	1.91×10^5
15.	9.26	9.24	to	9.28
16.	1.36×10^{-1}	1.34×10^{-1}	to	1.38×10^{-1}
17.	6.82×10^4	6.80×10^4	to	6.84×10^4
18.	3.66×10^4	3.64×10^4	to	3.68×10^4
19.	4.91	4.89	to	4.93
20.	2.89×10^{-4}	2.87×10^{-4}	to	2.91×10^{-4}
21.	1.48×10^2	1.46×10^2	to	1.50×10^2
22.	1.02×10^{-2}	1.00×10^{-2}	to	1.04×10^{-2}
23.	8.17×10^{-3}	8.15×10^{-3}	to	8.19×10^{-3}
24.	1.16×10^{-3}	1.14×10^{-3}	to	1.18×10^{-3}
25.	3.04	3.02	to	3.06
26.	3.51×10^{-7}	3.49×10^{-7}	to	3.53×10^{-7}
27.	3.86×10^4	3.84×10^4	to	3.88×10^4
28.	3.20×10^4	3.18×10^4	to	3.22×10^4
29.	5.92×10^1	5.90×10^1	to	5.94×10^1
30.	1.13×10^1	1.11×10^1	to	1.15×10^1
31.	1.10×10^1	1.08×10^1	to	1.12×10^1
32.	4.43×10^{-2}	4.41×10^{-2}	to	4.45×10^{-2}
33.	2.08×10^{-2}	2.06×10^{-2}	to	2.10×10^{-2}
34.	1.23×10^{-5}	1.21×10^{-5}	to	1.25×10^{-5}
35.	1.48×10^{-3}	1.46×10^{-3}	to	1.50×10^{-3}
36.	2.81×10^{-3}	2.79×10^{-3}	to	2.83×10^{-3}
37.	3.76×10^4	3.74×10^4	to	3.78×10^4
38.	1.21×10^4	1.19×10^4	to	1.23×10^4
39.	4.73×10^{-6}	4.71×10^{-6}	to	4.75×10^{-6}
40.	1.72	1.70	to	1.74
41.	6.11×10^1	6.09×10^1	to	6.13×10^1
42.	3.62×10^3	3.60×10^3	to	3.64×10^3
43.	3.08×10^{-4}	3.06×10^{-4}	to	3.10×10^{-4}
44.	2.00×10^{-4}	1.98×10^{-4}	to	2.02×10^{-4}
45.	4.32×10^{-5}	4.30×10^{-5}	to	4.34×10^{-5}
46.	3.50×10^{-2}	3.48×10^{-2}	to	3.52×10^{-2}
47.	1.65×10^5	1.63×10^5	to	1.67×10^5
48.	3.83×10^5	3.81×10^5	to	3.85×10^5
49.	4.32×10^{-3}	4.30×10^{-3}	to	4.34×10^{-3}
50.	2.05×10^9	2.03×10^9	to	2.07×10^9
51.	1.94×10^{-1}	1.92×10^{-1}	to	1.96×10^{-1}
52.	2.49×10^{-2}	2.47×10^{-2}	to	2.51×10^{-2}
53.	1.72×10^7	1.70×10^7	to	1.74×10^7
54.	1.15×10^7	1.13×10^7	to	1.17×10^7
55.	2.08×10^5	2.06×10^5	to	2.10×10^5
56.	3.38×10^3	3.36×10^3	to	3.40×10^3
57.	2.13×10^{27}	2.11×10^{27}	to	2.15×10^{27}
58.	4.83×10^3	4.81×10^3	to	4.85×10^3
59.	1.25×10^3	1.23×10^3	to	1.27×10^3
60.	1.47×10^1	1.45×10^1	to	1.49×10^1
61.	1.40×10^{-2}	1.38×10^{-2}	to	1.42×10^{-2}
62.	1.42×10^6	1.40×10^6	to	1.44×10^6
63.	2.76×10^4	2.74×10^4	to	2.78×10^4
64.	8.31×10^{-3}	8.29×10^{-3}	to	8.33×10^{-3}
65.	1.40×10^4	1.38×10^4	to	1.42×10^4
66.	5.12×10^{-2}	5.10×10^{-2}	to	5.14×10^{-2}
67.	2.86	2.84	to	2.88
68.	3.87×10^{-8}	3.85×10^{-8}	to	3.89×10^{-8}
69.	5.00×10^1	4.98×10^1	to	5.02×10^1
70.	4.33×10^2	4.31×10^2	to	4.35×10^2
71.	1.73×10^{-1}	1.71×10^{-1}	to	1.75×10^{-1}
72.	2.62×10^{-3}	2.60×10^{-3}	to	2.64×10^{-3}
73.	2.81×10^{-1}	2.79×10^{-1}	to	2.83×10^{-1}
74.	4.35×10^6	4.33×10^6	to	4.37×10^6
75.	8.80	8.78	to	8.82