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

THE UNIVERSITY INTERSCHOLASTIC LEAGUE

Slide Rule Contest

Number S 18

(Special—Not for official contests)

Conference:

Contestant's Serial Number:

Date of Contest:

Location of Contest:

Contestant's Net Score:.....

1. $4.43 \times 0.617 \times 19.8$ ----- equals _____
2. $0.306 \times 49.7 \times 3.21$ ----- equals _____
3. $738 \times 0.626 \times 1.21$ ----- equals _____
4. $0.678 \times 48.2 \times 0.0637 \times 4.05$ ----- equals _____
5. $\frac{29.3 \times 0.637}{2.53}$ ----- equals _____
6. $\frac{0.617}{3.25 \times 14.7}$ ----- equals _____
7. $\frac{5.18 \times 0.373}{2.16 \times 1.99}$ ----- equals _____
8. $\frac{2.28 \times 0.365 \times 543 \times 1.29}{15.7}$ ----- equals _____
9. $\frac{61.5 \times 3.78}{365 \times 1.41 \times 0.0382}$ ----- equals _____
10. $\frac{0.00828}{3.16 \times 722 \times 0.0142}$ ----- equals _____
11. $\frac{1.18 \times 13.6 \times 0.212 \times 1.88}{4.50 \times 0.0375}$ ----- equals _____
12. $\frac{2.73 \times 15.8 \times 0.00392}{8.16 \times 303 \times 9.21 \times 0.113}$ ----- equals _____
13. $\frac{9.22 \times 0.724 \times 0.00283}{1.66 \times 25.3 \times 0.276 \times 1.06}$ ----- equals _____
14. $\frac{5280 \times 0.616 \times 2.45 \times 9.49}{15.7 \times 14.7 \times 0.866 \times 0.414}$ ----- equals _____

15. $\frac{\sqrt{3.77} \times 376 \times 2.81}{12.2 \times 5.09 \times 4240}$ ----- equals _____
16. $\frac{13.8 \times 2.78 \times \sqrt{61.5}}{0.434 \times \sqrt{0.678} \times 2.99}$ ----- equals _____
17. $\frac{(2.86)^2 \times 0.0335 \times 6.71}{12.6 \times \sqrt{1.78} \times 0.425}$ ----- equals _____
18. $19.6 \times \sqrt{2.38} \times 0.443 \times (16.6)^2$ ----- equals _____
19. $\frac{15.7 \times (2.83)^2 \times 0.00767}{\sqrt{13.2} \times 1.77 \times 4.09 \times 1.83}$ ----- equals _____
20. $\sqrt{12,400} \times 6060 \times (0.00255)^2$ ----- equals _____
21. $\frac{0.000772 \times (8370)^2 \times 0.0404}{\sqrt{53.1} \times 19.6 \times 7.77 \times 109}$ ----- equals _____
22. $\sqrt{0.00836} \times (14,400)^2 \times 0.000729$ ----- equals _____
23. $\frac{9.09 \times 72.3 \times 627 \times 9190}{0.276 \times 0.00475 \times 692,000}$ ----- equals _____
24. $\frac{(63.9 \times 0.415)^2 \times 2.99 \times 3.07}{14.7 \times 5280 \times 1760 \times 365}$ ----- equals _____
25. $\frac{0.828 \times (4.52)^3 \times 0.000792}{\sqrt{16.6} \times 0.217 \times 1.77 \times 2.45}$ ----- equals _____
26. $\frac{(1.63 \times 0.454)^3 \times 354,000}{219 \times 181 \times 309 \times 0.854}$ ----- equals _____
27. $\frac{19.8 \times \sqrt{5.77} \times 0.0000276}{(0.882 \times 3.65)^2 \times 0.00518}$ ----- equals _____

$$28. \frac{(392 \times 50.6)^2 \times 2.83 \times 1.66}{\sqrt[3]{6.82} \times 19.2 \times 722,000} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$29. \left[\frac{2.11 \times 0.947}{3.86 \times 5.54} \right]^2 \times \frac{(0.876)^3}{0.00197} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$30. \sqrt[3]{0.00936 \times 41.2} \times \sqrt{\frac{0.339}{0.00473}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$31. \frac{\sqrt{0.0775 \times 13.6}}{0.0792 \times 0.0466} \times \frac{(0.00836)^3}{(4.12 \times 1.73)^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$32. \frac{(16.7)^2 \times 1.99 \times \sqrt[3]{3.82 \times 1.24}}{0.0736 \times 0.881 \times 4920 \times 0.176} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$33. (7.98 \times 0.131)^3 \times \sqrt{\frac{926 \times 137}{27,200 \times 0.687}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$34. \left[\frac{0.292}{0.0873} \right]^3 \times \frac{(0.177 \times 4.66)^2}{0.0391 \times 1910} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$35. \frac{0.0184 \times 2.62}{\sqrt{0.272 \times 3.61}} \times \left[\frac{91.2 \times 3.09}{4.16 \times 72.2} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$36. \frac{\pi \times 0.0202 \times \sqrt[3]{4.19 \times 8260}}{7.74 \times (3.68 \times 4.15 \times 0.0817)^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$37. \sqrt{\frac{0.363}{0.00525}} \times \frac{\pi^2 \times 826 \times 0.729}{32.4 \times 5.68 \times 1.77} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$38. \sqrt[3]{\frac{0.292 \times 4.14 \times 7.66}{3.48 \times 0.0636 \times 0.0274}} \times \left[\frac{7.26}{4.08} \right]^3 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$39. \frac{0.424 \times \sqrt{\pi} \times (0.399 \times 0.00039)^2}{0.299 \times 0.0000262 \times 0.117 \times 0.0484} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$40. \frac{(52 \times \pi^3 \times 0.224)^2 \times 39,400}{286 \times 419 \times 316 \times 707 \times 365} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$41. \left[\frac{0.35 \times 6260}{12.8 \times 74.6} \right]^2 \times \sqrt{\sqrt{0.82 \times 621}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$42. \frac{\sqrt[3]{\pi} \times (6.08 \times 3.99 \times 0.0052)^2}{0.227 \times (0.11 \times 3.14)^3 \times 0.0272} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$43. \sqrt{\frac{\sqrt{3.29 \times 14,000}}{362 \times 217 \times 0.445}} \times \left[\frac{28 \times 1.45}{3.21 \times 12} \right]^3 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$44. \left[\frac{4.92 \times 0.0316}{0.394 \times 0.772} \right]^2 \times \frac{\sqrt{93,200 \times \pi}}{886 \times 29 \times 76} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$45. \sqrt[3]{\frac{926}{10,300}} \times \left[\frac{0.00341}{26 \times 17} \right]^2 \times \frac{30,700}{0.00441} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$46. \frac{1.66 \times \sqrt[3]{\pi} \times 22.6 \times \pi^2 \times 118}{0.47 \times 3600 \times 0.002 \times 0.403} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$47. \frac{\sqrt{\sqrt{3.11 \times 0.151} \times 2.09 \times 0.616}}{1.99 \times (2.48 \times 0.171)^2 \times 0.0036} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$48. \sqrt{\frac{0.00171}{1.12 \times 303}} \times \left[\frac{6.06 \times 12 \times 0.89}{1.77 \times 10 \times 4.15} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$49. \frac{(1.74 \times 0.662)^2 \times (1.55 \times 0.831)^3}{\sqrt{2.77 \times 0.818} \times \sqrt[3]{4.04 \times 0.617}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$50. \frac{(0.119 \times 0.0000414 \times \pi)^2 \times 3.19}{52.6 \times 0.000191 \times 0.027 \times 0.036} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$51. \left[\frac{0.27 \times 0.0164}{0.667 \times 0.392} \right]^2 \times \left[\frac{4.4 \times 0.217}{3.15 \times 6.76} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$52. \frac{[(2.13 \times 0.414)^2 \times 16.2]^2 \times 396,000}{42.7 \times 663 \times 71.2 \times 51 \times 17} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$53. \left[\frac{5.98 \times 0.225}{3.06 \times 0.027} \right]^2 \times \frac{\sqrt{0.375 \times \pi}}{24 \times 17 \times 15} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$54. \sqrt{\frac{4.17}{0.0293}} \times \left[\frac{0.288}{0.607} \right]^3 \times \frac{17 \times \sqrt[3]{\pi}}{0.0229} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$55. \frac{(0.000792 \times 0.336)^2 \times 992 \times 1.36}{0.0265 \times 0.113 \times \sqrt{0.0076 \times 13}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$56. \sqrt{\frac{\sqrt{2.63}}{0.00499}} \times \frac{\pi}{4} \times \frac{996,000 \times 1.2}{\sqrt{3.14 \times 866 \times 7}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$57. \frac{0.00703}{\left[\frac{1.77}{4.26} \right]^2} \times \frac{(\pi^3 \times 0.846 \times 9)^3}{\sqrt{\frac{4.22 \times 0.00673}{9.6 \times 0.433 \times 2.11}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$58. \frac{(17.6 \times 48.8 \times 21.4)^2 \times 0.00662}{\sqrt{(2.79 \times 3.44)^3 \times 2.63 \times 1.69}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$59. \frac{\sqrt{\frac{0.0000617}{9.19 \times 0.43}} \times \left[(8.27 \times 0.0336)^2 \right]^2}{37,600 \times 0.875 \times 0.02 \times 0.114} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$60. \frac{\sqrt{\frac{2.6 \times 4.81}{0.112 \times 3.48}} \times \frac{\pi^2}{15} \times \left[\frac{1.66}{2.04} \right]^3}{(1.83 \times 0.0119)^2 \times 5280 \times 12} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$61. \frac{1760 \times 36}{\sqrt{\frac{2.54 \times 12}{0.866 \times 0.707}}} \times \frac{0.000000219}{\left[\frac{1.22 \times 6}{788 \times 69}\right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$62. \left[\frac{368,000}{29 \times 883}\right]^2 \times \frac{\left[\sqrt{0.0061 \times 329}\right]^3}{\sqrt{\pi^3 \times 0.0414}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$63. \frac{\sqrt{\frac{3.87 \times 1.24 \times 16.1 \times 3.89}{0.116 \times 3.75 \times 0.625 \times 19.6}}}{\left[(\pi \times 3.29 \times 74)^2 \times 0.00208\right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$64. \left[\frac{2.88}{31.4}\right]^2 \times \left[\frac{\sqrt{\pi}}{1.7}\right]^3 \times \frac{\sqrt{\frac{316 \times 55}{404 \times 1.73}}}{0.114 \times 0.96} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$65. \frac{\sqrt{\frac{92.6 \times 17 \times 34}{764,000,000 \times 26}} \times \frac{2.86 \times 17}{0.0000271}}{\left[\frac{6710 \times 4.22}{39.8 \times 77.6}\right]^2 \times \sqrt[3]{1.75 \times 8}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$66. \left[\frac{0.00000000415}{\frac{19.6 \times 0.445}{72,600,000}}\right]^2 \times \frac{31.6 \times 0.0817}{\frac{\sqrt{\pi}}{16} \times \sqrt[3]{\frac{0.22}{0.047}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$67. \frac{\sqrt{\sqrt{\frac{0.502 \times 24}{3.88 \times 0.617}} \times (\pi^3 \times 0.415)^3}}{\left[\frac{19.6 \times 2.05}{1.32 \times 4.56}\right]^2 \times \frac{0.00062 \times 0.929}{0.138 \times 5 \times 41.6}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$68. \sqrt{\frac{\sqrt{\frac{\pi}{416}}}{0.877}} \times \frac{\frac{88.6 \times 31.2 \times 4260}{19.7 \times 7.92 \times 82.6}}{\left[(1.76 \times 4.92)^2 \times 3.6\right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$69. \left[\frac{5.86 \times 4150}{\sqrt[3]{\frac{2.76 \times 1.34}{0.0217 \times 2.88}}} \right]^2 \times \frac{9.14 \times 8160}{\sqrt{\frac{0.16 \times 34}{0.00000526}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$70. \frac{\left[\left[(0.163 \times 4.09)^2 \times 2.18 \right]^2 \times 3.55 \right]^2}{\sqrt{\frac{5.16 \times 3.44}{0.000000617}} \times \left[\frac{4.26 \times 31.2}{\pi \times 0.226} \right]^3} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$71. \left[\frac{(30.4 \times 0.029)^3}{\left[\frac{1.29 \times 31.4}{48.6 \times 1.87} \right]^2} \right]^2 \times \frac{\sqrt[3]{\pi} \times 93,600}{\sqrt{\frac{2.69 \times 40.8}{\sqrt{1.19 \times 0.374}}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$72. \frac{\left[\frac{3.29 \times 1.44 \times 316}{42.7 \times 0.0000088} \right]^2 \times \left[\frac{6}{7} \right]^3 \times \frac{9}{5}}{\sqrt{\frac{826 \times 725,000}{0.227 \times 0.00555}} \times \frac{\pi^2}{92} \times \frac{\pi^3}{34}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$73. \sqrt{\frac{\sqrt{\left[\frac{4.29}{3.77} \right]^3} \times \sqrt{\frac{217}{0.619}} \times \frac{0.0879}{21 \times 87}}{2.08 \times 5280 \times 12 \times 0.0000627}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$74. \sqrt{\sqrt{\frac{\frac{319}{748}}{\left[\frac{4.22}{39.6} \right]^3} \times \left[\frac{6.11 \times 0.00423}{9 \times 42 \times 717} \right]^2}} \times \frac{\left[\frac{6.11 \times 0.00423}{9 \times 42 \times 717} \right]^2}{\frac{92.8 \times 0.37 \times 16}{42,600,000 \times 27}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$75. \frac{\sqrt{\frac{\sqrt[3]{\pi}}{1.8} \times \left[\frac{212}{328} \right]^2 \times \frac{\sqrt{\pi}}{66} \times \left[\frac{0.26}{3.14} \right]^3 \times \frac{91}{64}}{\left[\frac{2.6 \times 3.5 \times 8.8 \times 44 \times 32 \times 79}{63 \times 37 \times 52 \times 6.7 \times 5.5 \times 4.8} \right]^2}} \text{ ----- equals } \underline{\hspace{2cm}}$$

There is no answer sheet for this test.