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

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**THE UNIVERSITY INTERSCHOLASTIC LEAGUE**

# **Slide Rule Contest**

Number S 19

*(Special—Not for official contests)*

Conference: .....

Contestant's Serial Number: .....

Date of Contest: .....

Location of Contest: .....

Contestant's Net Score:.....

1.  $4.22 \times 0.617 \times 32.9$  ----- equals \_\_\_\_\_
2.  $863 \times 2.38 \times 0.0414$  ----- equals \_\_\_\_\_
3.  $2.55 \times 0.373 \times 0.492$  ----- equals \_\_\_\_\_
4.  $0.381 \times 72.6 \times 0.0473 \times 37.2$  ----- equals \_\_\_\_\_
5.  $\frac{2.93}{0.274 \times 6.21}$  ----- equals \_\_\_\_\_
6.  $\frac{204 \times 0.296}{0.0735}$  ----- equals \_\_\_\_\_
7.  $\frac{31.7 \times 14.2}{8.63 \times 5.22}$  ----- equals \_\_\_\_\_
8.  $\frac{0.884 \times 19.2 \times 5.44}{375 \times 0.444}$  ----- equals \_\_\_\_\_
9.  $\frac{0.617}{3.29 \times 4.06 \times 0.216}$  ----- equals \_\_\_\_\_
10.  $\frac{15.4 \times 0.00321 \times 677}{0.872 \times 24.2 \times 9.76}$  ----- equals \_\_\_\_\_
11.  $\frac{22.4 \times 0.873 \times 1.29 \times 15.8}{2.77 \times 0.0379}$  ----- equals \_\_\_\_\_
12.  $\frac{27.6 \times 0.119 \times 5720}{326 \times 0.0736 \times 2.11 \times 7.46}$  ----- equals \_\_\_\_\_
13.  $\frac{3.69 \times 0.617 \times 14.7 \times 0.0192}{707 \times 0.436 \times 205 \times 68.7}$  ----- equals \_\_\_\_\_
14.  $\frac{0.00263 \times 4140 \times 0.0886}{7.33 \times 2.49 \times 36.6 \times 0.475}$  ----- equals \_\_\_\_\_

15.  $\frac{\sqrt{6.36} \times 0.0217 \times 41.5}{0.682 \times 0.493 \times 0.526}$  ----- equals \_\_\_\_\_
16.  $\frac{3.29 \times 7.66 \times \sqrt{42.2}}{0.119 \times \sqrt{0.163} \times 267}$  ----- equals \_\_\_\_\_
17.  $\frac{(5.26)^2 \times 13.2 \times 0.0408}{2.77 \times \sqrt{31.6} \times 1760}$  ----- equals \_\_\_\_\_
18.  $19.2 \times \sqrt{4.25} \times 3.66 \times (0.823)^2$  ----- equals \_\_\_\_\_
19.  $\frac{4.29 \times \sqrt{631} \times 0.0275 \times 1.77}{(0.0242)^2 \times 19.2 \times 0.149}$  ----- equals \_\_\_\_\_
20.  $(2760)^2 \times 0.0837 \times \sqrt{0.00425}$  ----- equals \_\_\_\_\_
21.  $\frac{19.4 \times 0.000526 \times \sqrt{781,000}}{(16.2)^2 \times 0.224 \times 3.61 \times 145}$  ----- equals \_\_\_\_\_
22.  $(0.0373)^2 \times \sqrt{0.0496} \times 4.77 \times 0.116$  ----- equals \_\_\_\_\_
23.  $\frac{8.03 \times 1.66 \times \sqrt{4.29} \times 3.81}{(5.08)^2 \times 0.773 \times 0.000296}$  ----- equals \_\_\_\_\_
24.  $\frac{(1.82 \times 3.45)^2 \times 16.6 \times 0.715}{5.04 \times 3.21 \times \sqrt{2.73} \times 6.12}$  ----- equals \_\_\_\_\_
25.  $\frac{(35.2)^3 \times 0.00396 \times 0.457}{0.131 \times \sqrt{0.267} \times 9430}$  ----- equals \_\_\_\_\_
26.  $\frac{(4.04 \times 2.67)^3 \times 286,000}{(7920 \times 311)^2 \times 0.446}$  ----- equals \_\_\_\_\_
27.  $\frac{90.1 \times 0.0443 \times 276 \times 141}{(26.3 \times 72.9)^2 \times \sqrt{0.0326}}$  ----- equals \_\_\_\_\_

$$28. \frac{\sqrt[3]{6.17} \times 0.0129 \times 67,600}{3.04 \times 0.00763 \times (0.0867)^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$29. \sqrt{\frac{0.437}{0.0296}} \times \frac{(1.26)^3 \times 3.77}{0.492 \times 0.836} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$30. (39,200,000 \times 617)^2 \times (0.0000554)^3 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$31. \left[ \frac{917 \times 206}{475 \times 338} \right]^2 \times \sqrt{\frac{0.229 \times 716}{1050 \times 0.0826}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$32. \frac{(12.2 \times 1.55)^3 \times 2.77 \times 61.4}{2.58 \times \sqrt{4.72 \times 0.817} \times 505} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$33. \frac{(217 \times 3.66)^3}{4.15 \times 8.02} \times \sqrt{\frac{0.0736}{1.54 \times 272}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$34. \frac{12.5 \times \sqrt{0.228}}{0.175 \times 3.05} \times \frac{0.0473 \times 263}{(1.87 \times 2.84)^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$35. \sqrt{\frac{2.77 \times 4.68}{0.379 \times 0.0864}} \times \frac{\sqrt[3]{2.61 \times 3.52}}{0.454 \times 2.09} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$36. \frac{6.72 \times \pi \times (4.28 \times 0.00261)^2}{0.0197 \times \sqrt{0.225} \times 1.26 \times 3.25} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$37. \frac{\pi^2 \times 0.00233}{0.692 \times 4.27} \times \left[ \frac{677,000,000}{8730 \times 468} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$38. \sqrt{\frac{0.0617}{214 \times 321}} \times \left[ \frac{64.7 \times 1.7 \times 38}{0.827 \times 20,400} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$39. \frac{\sqrt{9.18 \times \pi \times 2.86} \times 0.0000728}{(\pi \times 0.425)^3 \times (0.016 \times 0.376)^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$40. \frac{\sqrt[3]{7.61 \times 3.82}}{\pi \times 0.00497} \times \sqrt{\frac{4.82 \times 75}{0.816 \times 0.923}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$41. \frac{1.79 \times \sqrt[3]{\pi} \times (0.272 \times 6.03)^2}{15.9 \times 32 \times 1.8 \times 6.11 \times 72} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$42. \sqrt{\sqrt{16.2 \times 0.0474}} \times [(2.98 \times 3.09)^2]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$43. \frac{\sqrt{4.92 \times (6.13 \times 1.14)^3 \times 0.0826}}{0.000736 \times 924 \times 206 \times 38.4} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$44. \frac{3.33 \times 7.24 \times (8.22 \times 0.617)^2}{\pi \times \sqrt{48.2 \times 0.0339} \times 0.677} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$45. \sqrt{\frac{482}{69,700}} \times \left[\frac{3.77}{0.21}\right]^2 \times \left[\frac{0.041}{0.976}\right]^3 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$46. \left[\frac{3.82 \times 4.98}{1.75 \times 3.04}\right]^2 \times \frac{73,200,000}{(617 \times 24.8)^3} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$47. \frac{\sqrt{3.82 \times 0.000497} \times \sqrt[3]{52 \times 37}}{\pi^3 \times 14.2 \times \pi^2 \times 0.000705} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$48. \frac{2.86 \times \sqrt{\sqrt{3.81 \times 26 \times 75.2}}}{(0.00415 \times 0.0379)^2 \times 6750} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$49. \sqrt{\frac{0.115}{0.00217}} \times \left[\frac{3.14 \times 360 \times 0.12}{15.7 \times 3.99 \times 171}\right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$50. \frac{0.55 \times \sqrt[3]{\pi} \times (\pi \times 0.00000391)^2}{0.676 \times 0.0152 \times 0.11 \times 1.82} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$51. \quad \sqrt{\frac{0.82 \times 3.15}{6.02 \times 0.0119}} \times \frac{0.000000174}{(0.012 \times 0.136)^3} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$52. \quad \frac{\pi^2 \times 15 \times \sqrt{\pi} \times 62,400,000}{(8270 \times 419)^3 \times 3.16 \times 0.225} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$53. \quad \frac{\sqrt{9.22 \times (0.614 \times 3.87)^3} \times 0.115}{14.6 \times 0.000339 \times 0.76 \times 0.45} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$54. \quad \left[ \frac{9.26 \times 0.415}{3.27 \times 0.086} \right]^2 \times \left[ \frac{\pi^3}{8} \right]^3 \times \frac{7.92}{6.35} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$55. \quad \frac{0.000000928 \times (0.27 \times 3960)^2}{0.424 \times 0.0668 \times \sqrt{1.28 \times 1.1}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$56. \quad \frac{2.77 \times (5280 \times 12)^3 \times 0.000496}{(\pi^2 \times 36.4 \times 0.77)^2 \times \sqrt{0.0115}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$57. \quad \frac{\left[ \frac{57,200.000}{3.03 \times 1.97} \right]^2}{(23.4 \times 71.7)^3} \times \frac{\sqrt{\frac{0.0417}{4.29 \times 3}}}{6.14 \times 3.29} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$58. \quad \frac{(2.72)^3 \times (\pi \times 8.08 \times 1.66 \times 12)^2}{\sqrt{1.45 \times 9.09 \times 0.0482 \times 5280}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$59. \quad \frac{9.29 \times 0.405 \times 0.257 \times 0.000726}{\left[ \frac{0.496 \times 3.82}{1.76 \times 0.454} \right]^2 \times \frac{\pi}{4} \times \sqrt{\sqrt{0.00876}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$60. \quad \frac{\left[ \frac{1.62 \times 4.36}{3.99 \times 1.75} \right]^2}{2.78 \times 0.0345} \times \sqrt{\frac{\frac{0.0000496}{\pi \times 0.0383}}{6140 \times 0.216}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$61. \frac{(15 \times \pi^3)^3 \times 0.00125 \times \sqrt[3]{\pi} \times 10.2}{\sqrt{\frac{1.98 \times 0.464 \times 0.808 \times 0.0515}{0.00883 \times 1.77 \times 4.68 \times 0.202}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$62. \frac{\sqrt{\sqrt{12.6 \times 0.114 \times 2.16} \times \sqrt[3]{860,000}}}{[(1.92 \times 0.66 \times 3.74)^2]^2 \times 73,000} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$63. \left[ \frac{\left[ \frac{0.392}{0.667} \right]^2}{0.0429} \right]^3 \times \frac{\sqrt{\frac{(32.6 \times 7.8 \times 4.61)^3}{792,000,000 \times 0.118}}}{0.0467 \times 1.99 \times 0.0326} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$64. \frac{0.00425 \times 608 \times 32.4 \times 5.08 \times \sqrt[3]{\pi}}{\left[ \frac{9.27}{8.66} \right]^3 \times \left[ \frac{\pi}{32} \right]^2 \times \frac{0.625 \times 1.15}{3.97 \times 0.0687}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$65. \sqrt{\frac{\sqrt{\frac{0.00000414}{0.216 \times 0.817}}}{\sqrt[3]{\frac{0.0000276}{0.931 \times 0.807}}}} \times \frac{\left[ \frac{\sqrt[3]{\pi}}{132} \right]^2 \times (0.222)^3}{\frac{1.72 \times 5280}{16.7 \times 1760}} \text{ ---- equals } \underline{\hspace{2cm}}$$

$$66. \frac{\sqrt{\frac{1.06 \times 9.04}{0.000000717}} \times \frac{\sqrt[3]{\pi}}{5.3} \times \frac{617 \times 2.5}{826,000}}{[(0.219 \times 4.61 \times 3.45)^2 \times 0.0019]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$67. \left[ \frac{56}{32} \right]^2 \times \sqrt{\frac{\frac{2.7}{4.16}}{\sqrt[3]{\frac{3.07}{0.816}}}} \times \frac{\left[ \frac{\pi}{3} \right]^3}{\frac{4.55}{6.02}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$68. \frac{\sqrt[3]{0.176 \times 4.22}}{\left[ \frac{9.16 \times 3.09}{4.27 \times 11.6} \right]^2} \times \left[ \frac{0.0000552}{\frac{3.25 \times 45.3}{92.1 \times 8.09}} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$69. \frac{\left[ (12.6 \times 3.11)^2 \times (4.27 \times 1.66)^3 \right]^2}{\sqrt{\frac{792,000}{4.1 \times 8.66}} \times \frac{\sqrt[3]{\pi} \times \sqrt{\pi} \times 0.045}{2.17 \times 13 \times 61.4}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$70. \frac{\sqrt{\sqrt{\frac{1.44 \times 12}{37,600,000}} \times \frac{19.1 \times 0.047}{0.00000594}}}{\left[ (2.16 \times 7.15)^2 \times 1.48 \right]^2 \times 13.6} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$71. \left[ \frac{\sqrt[3]{\frac{617 \times 329}{0.427 \times 202}}}{(0.0829 \times 6.17)^2} \right]^2 \times \frac{\frac{\sqrt{\pi}}{72} \times \frac{1.26}{8.34}}{(0.22 \times 31.7)^3} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$72. \frac{\sqrt{\sqrt{\frac{6.19 \times 2.05}{0.332 \times 4.81}} \times \frac{2,630,000}{2.7 \times 4.66}}}{\left[ \left[ (8.64 \times 11.2)^2 \times 3.75 \right]^2 \times 8.99 \right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$73. \sqrt{\frac{0.324}{\sqrt{\frac{0.0417}{\sqrt{24 \times 1.81}}}}} \times \frac{\left[ \frac{9.6}{3.2} \right]^3 \times \frac{\pi^2 \times 8}{49,200}}{\left[ \frac{0.00116 \times 949}{(3.28 \times 14.6)^2} \right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$74. \left[ \left[ \frac{926 \times 71,500}{\left[ \frac{15.1 \times 6.77}{0.00000302} \right]^2} \right]^2 \times \frac{\sqrt[3]{\pi}}{\left[ \frac{2}{9} \right]^3} \times \frac{\pi}{\frac{67}{82}} \right]^2 \text{ ----- equals } \underline{\hspace{2cm}}$$

$$75. \frac{\sqrt[3]{\frac{0.276}{0.0497}} \times \left[ \frac{\pi^2}{36} \right]^3 \times \frac{5.27 \times 0.66}{3.05 \times 6.15}}{\left[ \frac{0.262 \times 4.17 \times 0.99 \times 4.28}{(3.91 \times 0.046 \times 6.77 \times 3.04)^2} \right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$



## ANSWER KEY S-19

1.	$8.57 \times 10^1$	$8.55 \times 10^1$	to	$8.59 \times 10^1$
2.	$8.50 \times 10^1$	$8.48 \times 10^1$	to	$8.52 \times 10^1$
3.	$4.68 \times 10^{-1}$	$4.66 \times 10^{-1}$	to	$4.70 \times 10^{-1}$
4.	$4.87 \times 10^1$	$4.85 \times 10^1$	to	$4.89 \times 10^1$
5.	1.72	1.70	to	1.74
6.	$8.22 \times 10^2$	$8.20 \times 10^2$	to	$8.24 \times 10^2$
7.	9.99	9.97	to	$1.01 \times 10^1$
8.	$5.55 \times 10^{-1}$	$5.53 \times 10^{-1}$	to	$5.57 \times 10^{-1}$
9.	$2.14 \times 10^{-1}$	$2.12 \times 10^{-1}$	to	$2.16 \times 10^{-1}$
10.	$1.62 \times 10^{-1}$	$1.60 \times 10^{-1}$	to	$1.64 \times 10^{-1}$
11.	$3.80 \times 10^3$	$3.78 \times 10^3$	to	$3.82 \times 10^3$
12.	$4.97 \times 10^1$	$4.95 \times 10^1$	to	$4.99 \times 10^1$
13.	$1.48 \times 10^{-7}$	$1.46 \times 10^{-7}$	to	$1.50 \times 10^{-7}$
14.	$3.04 \times 10^{-3}$	$3.02 \times 10^{-3}$	to	$3.06 \times 10^{-3}$
15.	$1.28 \times 10^1$	$1.26 \times 10^1$	to	$1.30 \times 10^1$
16.	$1.28 \times 10^1$	$1.26 \times 10^1$	to	$1.30 \times 10^1$
17.	$5.44 \times 10^{-4}$	$5.42 \times 10^{-4}$	to	$5.46 \times 10^{-4}$
18.	$9.81 \times 10^1$	$9.79 \times 10^1$	to	$9.83 \times 10^1$
19.	$3.13 \times 10^3$	$3.11 \times 10^3$	to	$3.15 \times 10^3$
20.	$4.16 \times 10^4$	$4.14 \times 10^4$	to	$4.18 \times 10^4$
21.	$2.93 \times 10^{-4}$	$2.91 \times 10^{-4}$	to	$2.95 \times 10^{-4}$
22.	$1.71 \times 10^{-4}$	$1.69 \times 10^{-4}$	to	$1.73 \times 10^{-4}$
23.	$1.78 \times 10^4$	$1.76 \times 10^4$	to	$1.80 \times 10^4$
24.	2.86	2.84	to	2.88
25.	$1.20 \times 10^1$	$1.18 \times 10^1$	to	$1.22 \times 10^1$
26.	$1.33 \times 10^{-4}$	$1.31 \times 10^{-4}$	to	$1.35 \times 10^{-4}$
27.	$2.34 \times 10^{-1}$	$2.32 \times 10^{-1}$	to	$2.36 \times 10^{-1}$
28.	$9.17 \times 10^6$	$9.15 \times 10^6$	to	$9.19 \times 10^6$
29.	$7.04 \times 10^1$	$7.02 \times 10^1$	to	$7.06 \times 10^1$
30.	$9.95 \times 10^7$	$9.93 \times 10^7$	to	$9.97 \times 10^7$
31.	1.90	1.88	to	1.92
32.	$4.49 \times 10^2$	$4.47 \times 10^2$	to	$4.51 \times 10^2$
33.	$2.00 \times 10^5$	$1.98 \times 10^5$	to	$2.02 \times 10^5$
34.	4.93	4.91	to	4.95
35.	$4.39 \times 10^1$	$4.37 \times 10^1$	to	$4.41 \times 10^1$
36.	$6.88 \times 10^{-2}$	$6.86 \times 10^{-2}$	to	$6.90 \times 10^{-2}$
37.	$2.14 \times 10^2$	$2.12 \times 10^2$	to	$2.16 \times 10^2$

38.	$5.82 \times 10^{-5}$	$5.80 \times 10^{-5}$	to	$5.84 \times 10^{-5}$
39.	7.68	7.66	to	7.70
40.	$4.31 \times 10^3$	$4.29 \times 10^3$	to	$4.33 \times 10^3$
41.	$1.75 \times 10^{-5}$	$1.73 \times 10^{-5}$	to	$1.77 \times 10^{-5}$
42.	$6.73 \times 10^3$	$6.71 \times 10^3$	to	$6.75 \times 10^3$
43.	$2.19 \times 10^{-3}$	$2.17 \times 10^{-3}$	to	$2.21 \times 10^{-3}$
44.	$2.28 \times 10^2$	$2.26 \times 10^2$	to	$2.30 \times 10^2$
45.	$1.99 \times 10^{-3}$	$1.97 \times 10^{-3}$	to	$2.01 \times 10^{-3}$
46.	$2.61 \times 10^{-4}$	$2.59 \times 10^{-4}$	to	$2.63 \times 10^{-4}$
47.	$1.77 \times 10^{-1}$	$1.75 \times 10^{-1}$	to	$1.79 \times 10^{-1}$
48.	$4.69 \times 10^5$	$4.67 \times 10^5$	to	$4.71 \times 10^5$
49.	$1.17 \times 10^{-3}$	$1.15 \times 10^{-3}$	to	$1.19 \times 10^{-3}$
50.	$5.91 \times 10^{-8}$	$5.89 \times 10^{-8}$	to	$5.93 \times 10^{-8}$
51.	$2.40 \times 10^2$	$2.38 \times 10^2$	to	$2.42 \times 10^2$
52.	$5.54 \times 10^{-10}$	$5.52 \times 10^{-10}$	to	$5.56 \times 10^{-10}$
53.	$7.56 \times 10^2$	$7.54 \times 10^2$	to	$7.58 \times 10^2$
54.	$1.36 \times 10^4$	$1.34 \times 10^4$	to	$1.38 \times 10^4$
55.	$3.16 \times 10^1$	$3.14 \times 10^1$	to	$3.18 \times 10^1$
56.	$4.26 \times 10^7$	$4.24 \times 10^7$	to	$4.28 \times 10^7$
57.	$5.48 \times 10^1$	$5.46 \times 10^1$	to	$5.50 \times 10^1$
58.	$5.57 \times 10^3$	$5.55 \times 10^3$	to	$5.59 \times 10^3$
59.	$5.20 \times 10^{-4}$	$5.18 \times 10^{-4}$	to	$5.22 \times 10^{-4}$
60.	$5.95 \times 10^{-3}$	$5.93 \times 10^{-3}$	to	$5.97 \times 10^{-3}$
61.	$1.17 \times 10^6$	$1.15 \times 10^6$	to	$1.19 \times 10^6$
62.	$4.15 \times 10^{-6}$	$4.13 \times 10^{-6}$	to	$4.17 \times 10^{-6}$
63.	$7.15 \times 10^5$	$7.13 \times 10^5$	to	$7.17 \times 10^5$
64.	$2.00 \times 10^4$	$1.98 \times 10^4$	to	$2.02 \times 10^4$
65.	$1.66 \times 10^{-6}$	$1.64 \times 10^{-6}$	to	$1.68 \times 10^{-6}$
66.	$3.55 \times 10^3$	$3.53 \times 10^3$	to	$3.57 \times 10^3$
67.	1.79	1.77	to	1.81
68.	$2.16 \times 10^{-7}$	$2.14 \times 10^{-7}$	to	$2.18 \times 10^{-7}$
69.	$2.97 \times 10^{13}$	$2.95 \times 10^{13}$	to	$2.99 \times 10^{13}$
70.	$5.97 \times 10^{-6}$	$5.95 \times 10^{-6}$	to	$5.99 \times 10^{-6}$
71.	$2.83 \times 10^{-2}$	$2.81 \times 10^{-2}$	to	$2.85 \times 10^{-2}$
72.	$6.25 \times 10^{-18}$	$6.23 \times 10^{-18}$	to	$6.27 \times 10^{-18}$
73.	$3.80 \times 10^5$	$3.78 \times 10^5$	to	$3.82 \times 10^5$
74.	$2.94 \times 10^{-24}$	$2.92 \times 10^{-24}$	to	$2.96 \times 10^{-24}$
75.	$5.93 \times 10^{-2}$	$5.91 \times 10^{-2}$	to	$5.95 \times 10^{-2}$