

Number 192

1. $\sqrt{\frac{\sqrt{2.69 \times 0.145}}{0.0448 \times 0.724}} \times \left[\frac{\pi \times 12 \times 1.14}{0.617 \times 0.503} \right]^2$ ----- equals _____

2. $\frac{[(3.17 \times 0.0607 \times 0.419)^2 \times 1.77]^2}{\pi^3 \times 0.119 \times \sqrt[3]{4.44} \times 0.0927}$ ----- equals _____

3. $\left[\frac{\pi}{16} \right]^3 \times \frac{\sqrt{9.11 \times 0.707 \times 0.982}}{(4.22 \times 1.63)^2 \times 0.00049}$ ----- equals _____

4. $\frac{[(0.245 \times 9.36)^3 \times (4.09 \times 0.117)^2]}{826 \times 492 \times 0.0317 \times 0.00615}$ ----- equals _____

5. $\sqrt{\frac{19.6 \times 0.0479}{\left[\frac{3.16}{5.72} \right]^3}} \times \sqrt{\frac{27}{0.42}} \times \left[\frac{4.16 \times 0.248}{\frac{0.651 \times 3.75}{0.625 \times 13.1}} \right]^2$ --- equals _____

6. $\left[\frac{\left[\frac{8.16}{4.22} \right]^2}{0.0827} \right]^2 \times \frac{\sqrt[3]{\pi}}{\frac{127}{0.22}} \times \frac{\sqrt{39}}{0.0427}$ ----- equals _____

7. $\frac{\sqrt{\sqrt{\frac{0.875 \times 1.5}{0.77 \times 0.0418}} \times \sqrt[3]{\frac{3.82 \times 0.866}{0.125 \times 0.707}}}}{\left[\frac{\pi^2}{64} \right]^2 \times \left[\frac{17}{32} \right]^3 \times \frac{29 \times 47 \times 32}{61 \times 19 \times 83}}$ ----- equals _____

8. $\left[\frac{0.0049 \times 0.0617}{\sqrt[3]{\frac{3.82 \times 0.19}{0.426 \times 3.87}}} \right]^2 \times \frac{\pi^3 \times 76,300,000}{\sqrt{4.77 \times 6 \times 9.27} \times 0.00000382 \times 12}$ ----- equals _____

9. $\left[\frac{417}{823} \right]^3 \times \frac{\frac{\pi}{12} \times \left[\frac{0.49 \times 0.0369}{2.17 \times 0.455} \right]^2}{\frac{\sqrt{18 \times 9.26 \times 0.0303}}{0.00275 \times 0.000113}}$ ----- equals _____

$$10. \frac{\frac{1.66}{34.2} \times \left[(0.375)^2 \times \frac{4.29}{0.116} \right]^2}{\sqrt{14.8 \times 0.00276 \times 1.8 \times 3.44}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$11. \sqrt{\frac{0.456}{\sqrt{\frac{4.28}{0.617}}}} \times \frac{0.00637 \times 14 \times 317}{\left[\frac{67,400 \times 21 \times 52}{826 \times 714 \times 0.816} \right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$12. \frac{\left[\frac{9.22 \times 8.13}{6.45 \times 3.74} \right]^3}{\left[\frac{9.08 \times 3.72}{6.75 \times 4.05} \right]^2} \times \frac{\sqrt{\frac{\sqrt[3]{\pi}}{96} \times \frac{1.66}{0.42}}}{\sqrt{\sqrt[3]{2.16 \times 0.45}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$13. \frac{\sqrt{\sqrt{\frac{13.6 \times 35}{29,700,000} \times \frac{642 \times 9.17}{0.00000482}}}}{\left[(16.2 \times 0.0917)^2 \times (0.4 \times 3.15)^3 \right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$14. \frac{(19.7 \times 0.00036 \times 872 \times 41 \times 777)^2}{\frac{\sqrt{\pi}}{\pi} \times \frac{29 \times 617}{0.00485} \times \sqrt{\frac{0.19 \times 6.14}{2.07 \times 38,600}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$15. \frac{\sqrt{\sqrt{\frac{0.33 \times 6.17}{0.425 \times 1.79}} \times \sqrt[3]{\frac{0.27 \times 5.15}{36,400,000}}}}{\frac{21.7}{3.55} \times \frac{\pi}{3} \times \left[\frac{0.415 \times 0.616}{37.8 \times 5280} \right]^2} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$16. \left[\frac{\sqrt[3]{\frac{1.75 \times 3.6}{0.817 \times 426}}}{9.17 \times 14.2} \right]^2 \times \frac{\frac{7}{16} \times \left[(1.45)^3 \right]^3}{0.66 \times 0.492} \text{ ----- equals } \underline{\hspace{2cm}}$$

$$17. \frac{(0.0045 \times 0.225)^2 \times \pi \times (0.216)^3}{\sqrt{\frac{0.0206 \times 0.00397 \times 0.0455}{0.119 \times 4.27 \times \sqrt{0.229 \times 13.6}}}} \text{ ----- equals } \underline{\hspace{2cm}}$$

SLIDE RULE ANSWER KEY #192

1.	8.41×10^4	8.39×10^4	to	8.43×10^4
2.	2.35×10^{-4}	2.33×10^{-4}	to	2.37×10^{-4}
3.	8.21×10^{-1}	8.19×10^{-1}	to	8.23×10^{-1}
4.	9.63×10^{-2}	9.61×10^{-2}	to	9.65×10^{-2}
5.	9.98	9.96	to	1.00×10^1
6.	3.07×10^4	3.05×10^4	to	3.99×10^4
7.	2.86×10^3	2.84×10^3	to	2.88×10^3
8.	1.55×10^{-1}	1.53×10^{-1}	to	1.57×10^{-1}
9.	2.78×10^{-13}	2.76×10^{-13}	to	2.80×10^{-13}
10.	2.61	2.59	to	2.63
11.	5.03×10^{-4}	5.01×10^{-4}	to	5.05×10^{-4}
12.	4.85	4.83	to	4.87
13.	1.13×10^2	1.11×10^2	to	1.15×10^2
14.	4.88×10^6	4.86×10^6	to	4.90×10^6
15.	7.07×10^9	7.05×10^9	to	7.09×10^9
16.	1.55×10^{-4}	1.53×10^{-4}	to	1.57×10^{-4}
17.	1.59×10^{-5}	1.57×10^{-5}	to	1.61×10^{-5}