

SCIENTIFIC NOTATION #2

Name _____ Block _____

Round to the nearest .01

1. 21.424 = 2. 21.4254 = 3. 21.9926 =

4. 21.464 = 5. 21.4739 = 6. 21.9954 =

Express in Scientific notation

7. 1,656 = 8. 5.76 = 9. .00251 =

Express in Standard notation

10. $5.41 \times 10^2 =$ 11. $2.31 \times 10^{-4} =$

12. $2.001 \times 10^5 =$ 13. $3.49 \times 10^{-2} =$

Complete without calculator (Show your answer in Standard notation)

14. $2.0 \times 10^4 \times 3.0 \times 10^2 =$

15. $4.0 \times 10^4 \div 2.0 \times 10^2 =$

16. $2.0 \times 10^{-1} \times 3.0 \times 10^4 =$

Complete with calculator (show your answer in Scientific notation)

17. $2.14 \times 10^7 \times 3.21 \times 10^2 =$

18. $3.02 \times 10^{-2} \times 5.2 \times 10^5 =$

19. $5.21 \times 10^4 \div 2.02 \times 10^{-2} =$

20. $2.81 \times 10^7 \div 5.61 \times 10^5 =$

21. $4221 \div .0241 =$

22. $3.421 \times 69.201 =$

23. $2 \times 10^5 + 4.21 \times 10^3 + 2.8 \times 10^2 =$

24. $4 \times 10^7 - 2.02 \times 10^5 =$

25. $5.20071 - .5621 =$

Name _____
Number _____
Hour _____

SIG-FIGS

Give the correct number of significant figures in the following values

- | | |
|--------------------------------|-----------------|
| 1) 100 | 11) 100. |
| 2) 525 | 12) 505 |
| 3) 101.00000000 | 13) 101.230 |
| 4) 0.02 | 14) 20.02 |
| 5) 5674.47 | 15) 5674.470 |
| 6) 1.2100036 | 16) 1.980068 |
| 7) 8671.0 | 17) 8654.0 |
| 8) 123.4560000000 (+/- 0.0001) | 18) 14653.45600 |
| 9) 1.000000000002 | 19) 1.001002 |
| 10) 987.5310000 | 20) 468.5640 |