

Significant Figures Worksheet

How many significant figures are in each of the following numbers?

- | | |
|-------------------|---------------------------------|
| 1) 5.40 _____ | 6) 1.2×10^3 _____ |
| 2) 210 _____ | 7) 0.00120 _____ |
| 3) 801.5 _____ | 8) 0.0102 _____ |
| 4) 1,000 _____ | 9) 9.010×10^{-6} _____ |
| 5) 101.0100 _____ | 10) 2,370.0 _____ |
- 11) Why are significant figures important when taking data in the laboratory?
- 12) Why are significant figures NOT important when solving problems in your math class?
- 13) Using two different instruments, I measured the length of my foot to be 27 centimeters and 27.00 centimeters. Explain the difference between these two measurements.
- 14) I can lift a 20 kilogram weight over my head ten times before I get tired. Write this measurement to the correct number of significant figures.