**Refer to the notes for significant figures to complete the following practice.**

Give the number of significant digits in each of the following measurements:

1. 1278.50 \_\_\_\_\_\_\_\_\_\_ 4. 8.002 \_\_\_\_\_\_\_\_\_\_ 7. 43.050 \_\_\_\_\_\_\_\_\_\_

2. 120000 \_\_\_\_\_\_\_\_\_\_ 5. 823.012 \_\_\_\_\_\_\_\_\_\_ 8. 0.147 \_\_\_\_\_\_\_\_\_\_

3. 90027.00 \_\_\_\_\_\_\_\_\_\_ 6. 0.005789 \_\_\_\_\_\_\_\_\_\_ 9. 6271.91 \_\_\_\_\_\_\_\_\_\_

Round off the following numbers to three significant digits:

10. 120000 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 13. 4.53619 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. 5.457 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 14. 43.659 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. 0.0008769 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 15. 876493 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perform the following operations giving the proper number of significant figures in the answer.

16. 23.4 x 14

17. 7.895 + 3.4

8 17. 7.895 / 34