

Name: _____

Period: _____ Subject: _____

Date: _____

Significant Figures

Determine the number of significant digits for each of the following:

1. _____ 6.302

6. _____ 580.

2. _____ 74.0

7. _____ 0.00043

3. _____ 74

8. _____ 0.0004300

4. _____ 2.3000

9. _____ 1200.42

5. _____ 580

10. _____ 8 000 000

Solve the following equations. Be sure to express your answer with the correct number of significant figures.

11. _____ $13.8 + 7 + 2.14$

16. _____ $5.27 - 11.0$

12. _____ $8 \cdot 2.125 \cdot 1.4$

17. _____ $0.2 \cdot 12.4$

13. _____ $23 - 1.324$

18. _____ $2.00 \div 8.000$

14. _____ $0.0750 \div 3.000$

19. _____ $1.5 + 2.25 - 3.85$

15. _____ $1200 + 8 + 3.5$

20. _____ $2.0 \cdot 3.750 \div 1.5$