NAME _____ DATE _____ PERIOD _____

Lesson 5 Skills Practice

Compute with Scientific Notation

Evaluate each expression. Express the result in scientific notation.

1. $(8.3 \times 10^{-3})(69{,}500)$

2. $(2.13 \times 10^{9})(5.6 \times 10^{-7})$

3. $(4.3 \times 10^{5})(3.7 \times 10^{3})$

4. $(3600)(7.5 \times 10^{-2})$

5. $\dfrac{1.8 \times 10^{2}}{7.5}$

6. $\dfrac{5.32 \times 10^{6}}{7.6 \times 10^{-2}}$

7. $\dfrac{3.6 \times 10^{-4}}{2.88 \times 10^{3}}$

8. $\dfrac{3.92 \times 10^{-3}}{9.8 \times 10^{-4}}$

9. $(2.2 \times 10^{5})(2{,}500)$

10. $(9.66 \times 10^{3})(2.6 \times 10^{-5})$

11. $(5.24 \times 10^{-8})(6.9 \times 10^{3})$

12. $(1.1 \times 10^{4})(7.7 \times 10^{-1})$

13. $\dfrac{9.45 \times 10^{6}}{2.7 \times 10^{4}}$

14. $\dfrac{1.8 \times 10^{-3}}{7.5 \times 10^{-1}}$

15. $\dfrac{26{,}607}{5.43 \times 10^{2}}$

16. $\dfrac{3.6 \times 10^{-1}}{4 \times 10^{7}}$

17. $(1.6 \times 10^{3}) + (4.77 \times 10^{2})$

18. $(8.735 \times 10^{4}) + (2.8 \times 10^{5})$

19. $(3.31 \times 10^{9}) - (2.2 \times 10^{8})$

20. $(9.475 \times 10^{5}) - (1.9 \times 10^{3})$

21. $(34{,}500) - (6.3 \times 10^{2})$

22. $(8.8 \times 10^{7}) - (49{,}000)$

23. $(7.28 \times 10^{10}) + (1.9 \times 10^{10})$

24. $(3.325 \times 10^{5}) + (2.7 \times 10^{3})$

25. $(4500) - (3.0 \times 10^{2})$

26. $(7.89 \times 10^{6}) - (4.5 \times 10^{6})$

27. $(7.7 \times 10^{4}) + (12{,}000)$

28. $(5.62 \times 10^{3}) + (8.0 \times 10^{5})$

29. $(9.13 \times 10^{9}) + (4.3 \times 10^{8})$

30. $(7.1 \times 10^{7}) + (1{,}500{,}000)$

31. $(1.78 \times 10^{7}) - (2.7 \times 10^{5})$

32. $(8.9 \times 10^{6}) - (1.9 \times 10^{6})$

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