

Name: _____ Period: _____

Score:

_____/_____
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HW 6-2 - Add & Subtract with Sci. Notation

Write the number in scientific notation.

1. 0.00002031

4. 608,000,000

2. 43,680,000,000

5. 0.1300000

3. 0.02009

6. 500,300,000,000

Evaluate each expression. Express the result in scientific notation.

7. $(9.5 \times 10^{11}) + (6.3 \times 10^9)$

11. $(7.3 \times 10^5) + 2,400,000$

8. $(1.03 \times 10^9) - (4.7 \times 10^7)$

12. $(8.64 \times 10^6) + (1.334 \times 10^{10})$

9. $(1.357 \times 10^9) + 590,000$

13. $(1.21 \times 10^5) - 9,500$

10. $87,000 - (6.34 \times 10^1)$

14. $(7 \times 10^{-15}) - (4 \times 10^{-17})$

Evaluate each expression. Express the result in scientific notation.

15. $(7.2 \times 10^{-18}) + (1.82 \times 10^{-17})$

16. $(9 \times 10^{-21}) + (3.15 \times 10^{-22})$

17. The population of Washington is 6.9×10^6 people, Oregon is 3.9×10^6 people, and Idaho is 1.6×10^6 people. These three states make up the Pacific Northwest. What is the total population of the Pacific Northwest?

18. The mass of Jupiter is 1.9×10^{27} kilograms, the mass of Earth is 5.97×10^{24} kilograms, and the mass of Venus is 4.87×10^{24} kilograms. What is the total mass of these three planets?