

Name _____ Period _____ Date _____

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Pre-Algebra: Scientific Notation Operations #2 (page 1)

Fill in the blank to make the statement true.

1. 16×10^4 is _____ times larger than 4×10^{-2}
2. 6×10^{-5} is _____ times larger than 2×10^{-8}
3. 8.4×10^8 is _____ times larger than 2.1×10^{-3}

Perform the indicated operations. Write answers in CORRECT scientific notation. **COMPLETE WORK ON SEPARATE PIECE OF PAPER OR NO CREDIT. Write final answer on blank space.**

4. $(3 \times 10^2) + (2 \times 10^4)$ 4. _____
5. $(3.5 \times 10^5) - (2.2 \times 10^2)$ 5. _____
6. $(8 \times 10^3) + (2.4 \times 10^{-2})$ 6. _____

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Perform the indicated operations. Write answers in CORRECT scientific notation.

7. $(3 \times 10^6) \times (4 \times 10^2)$ 7. _____

8. $(3.5 \times 10^4) \times (2.2 \times 10^3)$ 8. _____

9. $(7 \times 10^4) \times (2 \times 10^3)$ 9. _____

10. $(6 \times 10^6) \div (3 \times 10^3)$ 10. _____

11. $(10.6 \times 10^{11}) \div (2 \times 10^3)$ 11. _____

12. $\frac{(12 \times 10^{12})}{(4 \times 10^4)}$ 12. _____

The following were entered into a calculator. Write what the calculator might display as an answer.

13. $(8 \text{ E } 14) \times (4 \text{ E } 3)$ 13. _____

14. $(8 \text{ E } 14) \div (4 \text{ E } 3)$ 14. _____

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