

Name _____ Period _____ Date _____

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

1. Describe how to write 32,000,000 in scientific notation. Use complete sentences.

Fill in the blank to make the statement true.

2. 6.2×10^6 is _____ times larger than 6.2×10^2

3. 6.2×10^6 is _____ times larger than 6.2×10^{-3}

4. 8×10^6 is _____ times larger than 2×10^2

Rewrite the one number so you have the same exponent as the other number. It does not have to be in proper scientific notation.

5. 6.2×10^2 , 2.2×10^4

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

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.

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

7. $(3.57 \times 10^4) - (2.2 \times 10^3)$ 7. _____

8. $(9 \times 10^5) + (2 \times 10^4)$ 8. _____

9. $(8 \times 10^6) - (2 \times 10^3)$ 9. _____

10. $(8.4 \times 10^3) + (2 \times 10^{-2})$ 10. _____

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

11. $(4 E 3) + (2 E 5)$ 11. _____

12. $(4 E 8) - (2 E 6)$ 12. _____

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

7. $(3.1 \times 10^4) - (2.2 \times 10^3)$ 7. _____

8. $(9 \times 10^5) + (2 \times 10^4)$ 8. _____

9. $(8 \times 10^6) - (2 \times 10^3)$ 9. _____

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