

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.  $6.2 \times 10^6$  is \_\_\_\_\_ times larger than  $6.2 \times 10^2$

3.  $6.2 \times 10^6$  is \_\_\_\_\_ times larger than  $6.2 \times 10^{-3}$

4.  $8 \times 10^6$  is \_\_\_\_\_ times larger than  $2 \times 10^2$

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.  $6.2 \times 10^2$ ,  $2.2 \times 10^4$

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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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