Powers of Ten and Scientific Notation - Matching Worksheet

Write the letter of the answer that matches the problem.

1. Which is the larger value: 5 \times 10^2 or 3 \times 10^3?
   - a. 5,210,000

2. Express 5.21 \times 10^6 in standard form.
   - b. 1360

3. Write 0.0000745 in scientific notation.
   - c. 2 \times 10^7

4. Express 1.36 \times 10^3 in standard form.
   - d. 6.48 \times 10^{-5}

5. Write 0.000000874 in scientific notation.
   - e. 3.47 \times 10^{-6}

6. Which is the larger value: 2 \times 10^7 or 7 \times 10^3?
   - f. 3 \times 10^3

7. Which is the larger value: 6 \times 10^3 or 5 \times 10^4?
   - g. 7.45 \times 10^{-5}

8. Write 0.0000648 in scientific notation.
   - h. 8.74 \times 10^{-7}

9. Express 8.96 \times 10^6 in standard form.
   - i. 5 \times 10^4

10. Write 0.00000347 in scientific notation.
    - j. 8,960,000

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