Powers of Ten and Scientific Notation – Independent Practice Worksheet
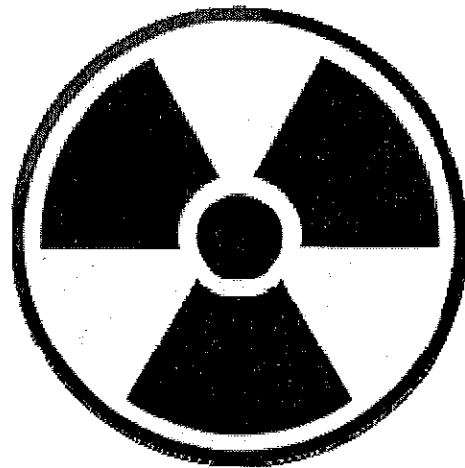
Solve all the problems.

1. Write 0.00000248 in scientific notation.

2. Which is the larger value: 4×10^2 or 7×10^4?

3. Express 5.26×10^6 in standard form.

4. Which is the larger value: 5×10^5 or 3×10^7?

5. Express 1.24×10^5 in standard form.

6. Write 0.00684 in scientific notation.

7. Write 0.000000478 in scientific notation.

8. Express 2.69×10^9 in standard form.

9. Which is the larger value: 6×10^3 or 6×10^8?

10. Which is the larger value: 7×10^2 or 2×10^7?

Powers of Ten and Scientific Notation - Matching Worksheet

Write the letter of the answer that matches the problem.

_____ 1. Which is the larger value: 5×10^2 or 3×10^3?

a.   5,210,000

_____ 2. Express 5.21×10^6 in standard form.

b.   1360

_____ 3. Write 0.0000745 in scientific notation.

c. 2×10^7

_____ 4. Express 1.36×10^3 in standard form.

d. 6.48×10^{-5}

_____ 5. Write 0.000000874 in scientific notation.

e. 3.47×10^{-6}

_____ 6. Which is the larger value: 2×10^7 or 7×10^3?

f. 3×10^3

_____ 7. Which is the larger value: 6×10^3 or 5×10^4?

g. 7.45×10^{-5}

_____ 8. Write 0.0000648 in scientific notation.

h. 8.74×10^{-7}

_____ 9. Express 8.96×10^6 in standard form.

i. 5×10^4

j.   8,960,000

_____ 10. Write 0.00000347 in scientific notation.