Write each number in scientific notation. (Explore Activity and Example 1)

1. 0.000487
Hint: Move the decimal right **4** places.

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2. 0.000028
Hint: Move the decimal right **5** places.

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3. 0.000059

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4. 0.0417

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5. Picoplankton can be as small as 0.00002 centimeter.

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6. The average mass of a grain of sand on a beach is about 0.000015 gram.

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Write each number in standard notation. (Example 2)

7. 2×10^{-5}
Hint: Move the decimal left **5** places.

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8. 3.582×10^{-6}
Hint: Move the decimal left **6** places.

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9. 8.3×10^{-4}

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10. 2.97×10^{-2}

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11. 9.06×10^{-5}

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12. 4×10^{-5}

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13. The average length of a dust mite is approximately 0.0001 meter. Write this number in scientific notation. (Example 1)

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14. The mass of a proton is about 1.7×10^{-24} gram. Write this number in standard notation. (Example 2)

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? **ESSENTIAL QUESTION CHECK-IN**

15. Describe how to write 0.0000672 in scientific notation.

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