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Write each number in scientific notation, or scientific notation as a standard number.

| Problem                                           | Answer | Problem                                         | Answer |
|---------------------------------------------------|--------|-------------------------------------------------|--------|
| 1. Write $1.1 \times 10^6$ in standard form       |        | 11. Write $1.4 \times 10^4$ in standard form    |        |
| 2. Write 0.0019 in scientific notation            |        | 12. Write 9.4 in scientific notation            |        |
| 3. Write $5.0 \times 10^{-6}$ in standard form    |        | 13. Write $7.9 \times 10^2$ in standard form    |        |
| 4. Write 20 in scientific notation                |        | 14. Write 89,000 in scientific notation         |        |
| 5. Write $6.2 \times 10^{-5}$ in standard form    |        | 15. Write $8.3 \times 10^7$ in standard form    |        |
| 6. Write 0.91 in scientific notation              |        | 16. Write 0.0000051 in scientific notation      |        |
| 7. Write $5.3 \times 10^{-4}$ in standard form    |        | 17. Write $6.7 \times 10^{-5}$ in standard form |        |
| 8. Write $1.7 \times 10^8$ in scientific notation |        | 18. Write 240 in scientific notation            |        |
| 9. Write $4.1 \times 10^{-5}$ in standard form    |        | 19. Write $5.8 \times 10^{-4}$ in standard form |        |
| 10. Write 0.000009 in scientific notation         |        | 20. Write 0.000068 in scientific notation       |        |

### Answer key — Standard ↔ scientific notation

| #  | Problem                                     | Answer               |
|----|---------------------------------------------|----------------------|
| 1  | Write $1.1 \times 10^6$ in standard form    | 1,100,000            |
| 2  | Write 0.0019 in scientific notation         | $1.9 \times 10^{-3}$ |
| 3  | Write $5.0 \times 10^{-6}$ in standard form | 0                    |
| 4  | Write 20 in scientific notation             | $2.0 \times 10^1$    |
| 5  | Write $6.2 \times 10^{-5}$ in standard form | 0                    |
| 6  | Write 0.91 in scientific notation           | $9.1 \times 10^{-1}$ |
| 7  | Write $5.3 \times 10^{-4}$ in standard form | 0.001                |
| 8  | Write 1.7e+8 in scientific notation         | $1.7 \times 10^8$    |
| 9  | Write $4.1 \times 10^{-5}$ in standard form | 0                    |
| 10 | Write 0.000009 in scientific notation       | $9.0 \times 10^{-6}$ |
| 11 | Write $1.4 \times 10^4$ in standard form    | 14,000               |
| 12 | Write 9.4 in scientific notation            | $9.4 \times 10^0$    |
| 13 | Write $7.9 \times 10^2$ in standard form    | 790                  |
| 14 | Write 89,000 in scientific notation         | $8.9 \times 10^4$    |
| 15 | Write $8.3 \times 10^7$ in standard form    | 83,000,000           |
| 16 | Write 0.0000051 in scientific notation      | $5.1 \times 10^{-6}$ |
| 17 | Write $6.7 \times 10^{-5}$ in standard form | 0                    |
| 18 | Write 240 in scientific notation            | $2.4 \times 10^2$    |
| 19 | Write $5.8 \times 10^{-4}$ in standard form | 0.001                |
| 20 | Write 0.000068 in scientific notation       | $6.8 \times 10^{-5}$ |

## Notes