



Math worksheet on 'Powers of Ten - Simplified Form (Level 2)'. Part of a broader unit on 'Scientific Notation - Intro'

Learn online: app.mobius.academy/math/units/scientific_notation_intro/

1 Find the simplified form of this number raised to its exponent

$$10 \times 10 \times 10 \times 10$$

- | | | | | | | | | | | | |
|---|----------|---|---------------|---|--------|---|--------|---|--------|---|--------|
| a | 4^{10} | b | 10×4 | c | 10^5 | d | 13^8 | e | 10^4 | f | 10^3 |
|---|----------|---|---------------|---|--------|---|--------|---|--------|---|--------|

2 Find the simplified form of this number raised to its exponent

$$10 \times 10 \times 10 \times 10 \times 10$$

- | | | | | | | | | | | | |
|---|--------|---|----------|---|--------|---|--------|---|--------|---|---------------|
| a | 14^7 | b | 5^{10} | c | 10^6 | d | 10^4 | e | 10^5 | f | 10×5 |
|---|--------|---|----------|---|--------|---|--------|---|--------|---|---------------|

3 Find the simplified form of this number raised to its exponent

$$10$$

- | | | | | | |
|---|--------|---|----------|---|--------|
| a | 10^1 | b | 11^3 | c | 14^5 |
| d | 10^2 | e | 1^{10} | f | 11^2 |

4 Find the simplified form of this number raised to its exponent

$$10 \times 10$$

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|---|---------------|---|----------|---|--------|
| a | 10×2 | b | 2^{10} | c | 11^6 |
| d | 10^2 | e | 10^3 | f | 13^3 |

5 $10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$

Find the simplified form of this number raised to its exponent

- | | | | | | | | | | | | |
|---|--------|---|--------|---|---------------|---|----------|---|--------|---|--------|
| a | 10^7 | b | 10^8 | c | 10×7 | d | 7^{10} | e | 14^8 | f | 10^6 |
|---|--------|---|--------|---|---------------|---|----------|---|--------|---|--------|

6 Find the simplified form of this number raised to its exponent

$$10 \times 10 \times 10$$

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|---|--------|---|--------|---|--------|---|--------|---|----------|---|--------|
| a | 10^3 | b | 12^5 | c | 10^2 | d | 11^7 | e | 3^{10} | f | 10^4 |
|---|--------|---|--------|---|--------|---|--------|---|----------|---|--------|

7 Find the simplified form of this number raised to its exponent

$$1$$

- | | | | | | |
|---|--------|---|---------------|---|----------|
| a | 14^3 | b | 10^0 | c | 13^3 |
| d | 10^1 | e | 10×0 | f | 0^{10} |