



Math Worksheet for 5th Grade

Powers of 10

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. What is $10^{1^?}$
2. What is $10^{2^?}$
3. What is $10^{3^?}$
4. What is $10^{0^?}$
5. What is $10^{4^?}$
6. What is $10^{5^?}$
7. Evaluate 2×10^1 .
8. Evaluate 2×10^2 .
9. Evaluate 7×10^3 .
10. Evaluate 5×10^4 .
11. Evaluate 9×10^0 .
12. Evaluate 0×10^3 .
13. What is $10^2 \times 10^{1^?}$
14. What is $10^4 \div 10^{2^?}$
15. Write 1,000 as a power of 10.
16. Write 100,000 as a power of 10.
17. $10,000 = 10$ _____.
18. Which is larger, 10^2 or $10^{3^?}$
19. How many zeros are in $10^{6^?}$
20. How many zeros are in $10^{5^?}$
21. Multiply: 43×10^1 .
22. Multiply: 6×10^2 .
23. Multiply: 12×10^3 .
24. Divide: $5000 \div 10^2$.
25. Divide: $300 \div 10^1$.
26. Calculate: 4.5×10^1 .
27. Calculate: 0.7×10^2 .
28. Calculate: $900 \div 10^2$.
29. What is $10^{-1^?}$
30. What is $10^{-2^?}$
31. Express 0.01 as a power of 10.
32. Calculate: 0.3×10^1 .



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33. Calculate: 0.03×10^2 .
34. Write 20,000 as a number times a power of 10 (in the form $a \times 10^n$).
35. Write 6,500 as $a \times 10^n$.
36. Write 450 as $a \times 10^n$ (use one decimal if needed).
37. Which is equal to 10×10^{37} ?
38. Simplify: $5 \times 10^2 \times 10^1$.
39. Simplify: $10^3 \times 10^2$.
40. Simplify: $10^4 \div 10^1$.
41. Add: $3 \times 10^2 + 4 \times 10^2$.
42. Add: $2 \times 10^3 + 3 \times 10^3$.
43. Are 7×10^2 and 70×10^1 equal? (Yes or No)
44. Fill in: $1 \times 10^2 = \underline{\hspace{2cm}}$.
45. Fill in: $1 \times 10^3 = \underline{\hspace{2cm}}$.
46. Convert: $7000 = \underline{\hspace{2cm}} \times 10^3$.
47. Calculate: 0.5×10^1 .
48. Which is larger, 10^5 or 10^4 ?
49. Write 1,000,000 as a power of 10.
50. Write 250 as $a \times 10^n$ (use one decimal if needed).