

Name: _____

Date: _____

Exponents, Squares & Cubes

Grades 6 – 8 • 50 questions • Show your work

1. $2^2 =$ _____

2. $7^2 =$ _____

3. $\sqrt{169} =$ _____

4. $5^3 =$ _____

5. $4^2 =$ _____

6. $\sqrt[3]{729} =$ _____

7. $\sqrt{100} =$ _____

8. $\sqrt[3]{27} =$ _____

9. $5^2 =$ _____

10. $\sqrt{196} =$ _____

11. $3^3 =$ _____

12. $\sqrt{36} =$ _____

13. $11^2 =$ _____

14. $2^3 =$ _____

15. $3^2 =$ _____

16. $6^3 =$ _____

17. $\sqrt{9} =$ _____

18. $\sqrt{49} =$ _____

19. $\sqrt[3]{343} =$ _____

20. $\sqrt{400} =$ _____

21. $10^2 =$ _____

22. $\sqrt[3]{216} =$ _____

23. $\sqrt{289} =$ _____

24. $\sqrt[3]{125} =$ _____

25. $\sqrt{81} =$ _____

26. $\sqrt[3]{1000} =$ _____

27. $\sqrt[3]{64} =$ _____

28. $\sqrt[3]{8} =$ _____

29. $\sqrt{64} =$ _____

30. $\sqrt{324} =$ _____

31. $9^2 =$ _____

32. $\sqrt{25} =$ _____

33. $12^2 =$ _____

34. $\sqrt{4} =$ _____

35. $\sqrt{225} =$ _____

36. $\sqrt{16} =$ _____

37. $8^2 =$ _____

38. $4^3 =$ _____

39. $\sqrt{256} =$ _____

40. $3^3 =$ _____

41. $\sqrt{225} =$ _____

42. $6^2 =$ _____

43. $\sqrt{121} =$ _____

44. $\sqrt[3]{512} =$ _____

45. $\sqrt{144} =$ _____

46. $11^2 =$ _____

47. $\sqrt{361} =$ _____

48. $12^2 =$ _____

49. $4^2 =$ _____

50. $2^3 =$ _____

Answer Key — Exponents, Squares & Cubes

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|---------|--------|---------|
| 1. 4 | 2. 49 | 3. 13 |
| 4. 125 | 5. 16 | 6. 9 |
| 7. 10 | 8. 3 | 9. 25 |
| 10. 14 | 11. 27 | 12. 6 |
| 13. 121 | 14. 8 | 15. 9 |
| 16. 216 | 17. 3 | 18. 7 |
| 19. 7 | 20. 20 | 21. 100 |
| 22. 6 | 23. 17 | 24. 5 |
| 25. 9 | 26. 10 | 27. 4 |
| 28. 2 | 29. 8 | 30. 18 |
| 31. 81 | 32. 5 | 33. 144 |
| 34. 2 | 35. 15 | 36. 4 |
| 37. 64 | 38. 64 | 39. 16 |
| 40. 27 | 41. 15 | 42. 36 |
| 43. 11 | 44. 8 | 45. 12 |
| 46. 121 | 47. 19 | 48. 144 |
| 49. 16 | 50. 8 | |
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