

Algebra 1, Properties of Exponents Practice Assessment Answer Section

1. ANS: A REF: 7-2 Scientific Notation

2. ANS:
 3.17×10^2

REF: 7-2 Scientific Notation

3. ANS: C REF: 7-2 Scientific Notation

4. ANS: C REF: 7-2 Scientific Notation

5. ANS:
8

REF: 8-3 Multiplication Properties of Exponents

6. ANS: C REF: 7-3 Multiplying Powers With the Same Base

7. ANS: B REF: 7-3 Multiplying Powers With the Same Base

8. ANS:
$$\frac{40y^3}{x^5}$$

REF: 7-3 Multiplying Powers With the Same Base

9. ANS:
$$\frac{1}{x^{15}}$$

REF: 7-4 More Multiplication Properties of Exponents

10. ANS:
 $9x^8y^{12}$

REF: 7-4 More Multiplication Properties of Exponents

11. ANS:
$$\frac{x^{12}}{729c^6}$$

REF: 7-5 Division Properties of Exponents

12. ANS:
 k^3

REF: 7-5 Division Properties of Exponents

13. ANS: B REF: 7-4 More Multiplication Properties of Exponents

14. ANS: B REF: 7-4 More Multiplication Properties of Exponents

15. ANS: D REF: 7-3 Multiplying Powers With the Same Base

16. ANS: C REF: 7-1 Zero and Negative Exponents

17. ANS: D REF: 7-1 Zero and Negative Exponents

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| 18. ANS: B | REF: 7-1 Zero and Negative Exponents |
| 19. ANS: C | REF: 7-1 Zero and Negative Exponents |
| 20. ANS: C | REF: 7-1 Zero and Negative Exponents |
| 21. ANS: C | REF: 7-1 Zero and Negative Exponents |
| 22. ANS: B | REF: 10-2 Simplifying Radicals |
| 23. ANS: B | REF: 10-2 Simplifying Radicals |
| 24. ANS: A | REF: 10-2 Simplifying Radicals |
| 25. ANS: B | REF: 10-2 Simplifying Radicals |