

Name _____

Date _____ Grade _____

Exponents (simplifying exponents)

Express each exponent as a whole number.

1. $63^2 =$ _____ 2. $74^5 =$ _____

3. $33^0 =$ _____ 4. $66^0 =$ _____

5. $76^1 =$ _____ 6. $79^4 =$ _____

7. $71^5 =$ _____ 8. $39^5 =$ _____

9. $50^5 =$ _____ 10. $86^4 =$ _____

11. $97^5 =$ _____ 12. $98^4 =$ _____

13. $66^3 =$ _____ 14. $70^2 =$ _____

15. $2^4 =$ _____ 16. $52^4 =$ _____

17. $90^2 =$ _____ 18. $31^2 =$ _____

19. $18^0 =$ _____ 20. $16^0 =$ _____

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Exponents (simplifying exponents)

Express each exponent as a whole number.

1. $15^3 =$ _____ 2. $28^3 =$ _____

3. $17^2 =$ _____ 4. $15^2 =$ _____

5. $16^2 =$ _____ 6. $68^2 =$ _____

7. $85^1 =$ _____ 8. $10^5 =$ _____

9. $21^1 =$ _____ 10. $12^5 =$ _____

11. $30^1 =$ _____ 12. $25^2 =$ _____

13. $33^2 =$ _____ 14. $58^4 =$ _____

15. $11^3 =$ _____ 16. $98^2 =$ _____

17. $97^2 =$ _____ 18. $73^1 =$ _____

19. $55^5 =$ _____ 20. $52^4 =$ _____

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Answer Key

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|--------------|------------------|------------------|------------------|
| 1. 3969 | 2. 2.21900672 E9 | 3. 1 | 4. 1 |
| 5. 76 | 6. 3.3362176 E7 | 7. 1.80422938 E9 | 8. 9.02242 E7 |
| 9. 3.125 E8 | 10. 5.4700816 E7 | 11. 8.5873403 E9 | 12. 9.2236816 E7 |
| 13. 287496.0 | 14. 4900.0 | 15. 16.0 | 16. 7311616.0 |
| 17. 8100.0 | 18. 961.0 | 19. 1 | 20. 1 |

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|------------|------------------|-------------------|---------------|
| 1. 3375.0 | 2. 21952.0 | 3. 289.0 | 4. 225.0 |
| 5. 256.0 | 6. 4624.0 | 7. 85.0 | 8. 100000.0 |
| 9. 21 | 10. 248832.0 | 11. 30 | 12. 625.0 |
| 13. 1089.0 | 14. 1.1316496 E7 | 15. 1331.0 | 16. 9604.0 |
| 17. 9409.0 | 18. 73 | 19. 5.03284384 E8 | 20. 7311616.0 |