



Equations with Exponents

Grade 6 Exponents Worksheet

Date: _____

Name: _____

LET'S MAKE LEARNING EXPONENTS FUN

Solve the following expressions.

1. $12^2 \div 3^0 =$ _____

2. $37^0 \div 23^1 =$ _____

3. $7^2 \div 1^8 =$ _____

4. $25^0 \times 5^2 =$ _____

5. $20^3 - 9^3 =$ _____

6. $58^1 \times 1^8 =$ _____

7. $15^2 - 1^{16} =$ _____

8. $20^2 + 10^1 =$ _____

9. $3^3 - 11^1 =$ _____

10. $3^4 \div 3^4 =$ _____

11. $10^2 + 12^2 =$ _____

12. $22^1 - 8^0 =$ _____

13. $8^2 + 6^2 =$ _____

14. $0^3 \div 165^4 =$ _____

15. $12^2 - 5^2 =$ _____

16. $1^{23} \times 0^{39} =$ _____

17. $3^4 + 0^{18} =$ _____

18. $7^2 - 5^3 =$ _____

19. $2^7 \times 3^2 =$ _____

20. $15^2 + 2^4 =$ _____



Equations with Exponents

Grade 6 Exponents Answer Sheet

1. $12^2 \div 3^0 = \underline{144}$

2. $37^0 \div 23^1 = \underline{\frac{1}{23}}$

3. $7^2 \div 1^8 = \underline{49}$

4. $25^0 \times 5^2 = \underline{25}$

5. $20^3 - 9^3 = \underline{7271}$

6. $58^1 \times 1^8 = \underline{58}$

7. $15^2 - 1^{16} = \underline{224}$

8. $20^2 + 10^1 = \underline{410}$

9. $3^3 - 11^1 = \underline{16}$

10. $3^4 \div 3^4 = \underline{1}$

11. $10^2 + 12^2 = \underline{244}$

12. $22^1 - 8^0 = \underline{21}$

13. $8^2 + 6^2 = \underline{100}$

14. $0^3 \div 165^4 = \underline{0}$

15. $12^2 - 5^2 = \underline{119}$

16. $1^{23} \times 0^{39} = \underline{0}$

17. $3^4 + 0^{18} = \underline{81}$

18. $7^2 - 5^3 = \underline{-76}$

19. $2^7 \times 3^2 = \underline{1152}$

20. $15^2 + 2^4 = \underline{241}$