



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