



# Equations with Exponents

Grade 6 Exponents Worksheet

Date: \_\_\_\_\_

Name: \_\_\_\_\_

## LET'S MAKE LEARNING EXPONENTS FUN

Solve the following expressions.

1.  $5^3 + 4^3 =$  \_\_\_\_\_

2.  $2^8 \div 4^2 =$  \_\_\_\_\_

3.  $7^2 - 10^1 =$  \_\_\_\_\_

4.  $4^2 \times 2^2 =$  \_\_\_\_\_

5.  $90^1 \div 18^1 =$  \_\_\_\_\_

6.  $85 + 10^2 =$  \_\_\_\_\_

7.  $0^8 - 1^{16} =$  \_\_\_\_\_

8.  $10^3 + 0^{11} =$  \_\_\_\_\_

9.  $2^9 - 11^2 =$  \_\_\_\_\_

10.  $6^4 \div 3^4 =$  \_\_\_\_\_

11.  $6^2 \times 1^{101} =$  \_\_\_\_\_

12.  $1^{21} - 7^1 =$  \_\_\_\_\_

13.  $2^3 \times 3^2 =$  \_\_\_\_\_

14.  $1^1 \div 0^4 =$  \_\_\_\_\_

15.  $2^2 \div 3^1 =$  \_\_\_\_\_

16.  $4^3 \div 2^3 =$  \_\_\_\_\_

17.  $9^2 - 0^8 =$  \_\_\_\_\_

18.  $7^3 - 5^2 =$  \_\_\_\_\_

19.  $2^6 \div 4^2 =$  \_\_\_\_\_

20.  $5^2 + 2^3 =$  \_\_\_\_\_



## Equations with Exponents

### Grade 6 Exponents Answer Sheet

1.  $5^3 + 4^3 = \underline{189}$

2.  $2^8 \div 4^2 = \underline{16}$

3.  $7^2 - 10^1 = \underline{39}$

4.  $4^2 \times 2^2 = \underline{64}$

5.  $90^1 \div 18^1 = \underline{5}$

6.  $85^1 + 10^2 = \underline{185}$

7.  $0^8 - 1^{16} = \underline{-1}$

8.  $10^3 + 0^{11} = \underline{1,000}$

9.  $2^9 - 11^2 = \underline{391}$

10.  $6^4 \div 3^4 = \underline{16}$

11.  $6^2 \times 1^{101} = \underline{36}$

12.  $1^{21} - 7^1 = \underline{-6}$

13.  $2^3 \times 3^2 = \underline{72}$

14.  $1^1 \div 1^4 = \underline{1}$

15.  $2^2 \div 2^1 = \underline{2}$

16.  $4^3 \div 2^3 = \underline{8}$

17.  $9^2 - 0^8 = \underline{81}$

18.  $7^3 - 5^2 = \underline{318}$

19.  $2^6 \div 4^2 = \underline{4}$

20.  $5^2 + 2^3 = \underline{33}$