

Name _____

Unraveling the Mystery of Exponents and Radicals

Multiple Choice Questions

1. What do exponents tell us?

- a) The sum of the numbers
- b) The result of multiplication
- c) How many times a number is multiplied by itself
- d) The quotient of division

2. What is the square root of 25?

- a) 20
- b) 10
- c) 15
- d) 5

3. How do you simplify $2^3 \times 2^4$?

- a) 2^7
- b) 2^1
- c) 2^6
- d) 2^{12}

4. What is the result of $\sqrt{81}$?

- a) 9
- b) 6
- c) 8
- d) 7

5. Which rule should be applied when dividing expressions with the same base?

- a) Product Rule
- b) Quotient Rule
- c) Power Rule
- d) Root Rule

