

Mathematics - Using Exponents

Diagram illustrating the relationship between a base number and an exponent:

$$8^3 = 8 \times 8 \times 8$$

The base number is 8, and the exponent is 3.

Directions: Change the multiplication expressions to the exponents.

1. $3 \times 3 \times 3 \times 3 =$

2. $6 \times 6 \times 6 \times 6 \times 6 \times 6 =$

3. $8 \times 8 \times 8 =$

4. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 =$

5. $4 \times 4 \times 4 \times 4 \times 4 =$

6. $1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1 =$

Directions: Write out the expressions below.

7. $9^3 =$ _____

8. $10^5 =$ _____

9. $5^4 =$ _____

10. $12^6 =$ _____



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