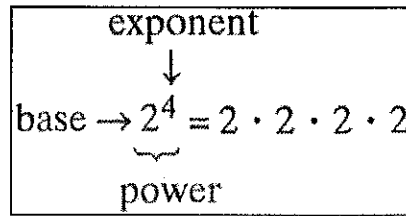


Day 14: Review of Exponents



Re-write each problem using exponents. For example, $8 \times 8 \times 8$ can be rewritten as 8^3 . You do NOT need to evaluate (find the value of).

1 a. $9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 = 9^9$

2 a. $64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 = 64^9$

3 a. $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 = 4^8$

4 a. $100 \times 100 \times 100 \times 100 \times 100 = 100^5$

5 a. $1 \times 1 = 1^2$

6 a. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 2^7$

7 a. $95 \times 95 \times 95 = 95^3$

8 a. $7 \times 7 = 7^2$

9 a. $1 \times 1 \times 1 \times 1 \times 1 \times 1 = 1^6$

10 a. $2 \times 2 \times 2 \times 2 = 2^4$

Find the value of each problem. For example, 5^2 has a value of 25.

1 a. $5^1 = 5$

1 b. $100^3 = 1000000$

2 a. $7^2 = 49$

2 b. $100^6 = 1000000000000$

3 a. $3^2 = 9$

3 b. $9^2 = 81$

4 a. $1^{80} = 1$

4 b. $1^{69} = 1$

5 a. $1^{20} = 1$

5 b. $6^2 = 36$

6 a. $3^1 = 3$

6 b. $0^{95} = 0$

7 a. $2^6 = 64$

7 b. $8^2 = 64$

8 a. $8^1 = 8$

8 b. $0^{97} = 0$

9 a. $10^9 = 1,000,000,000$

9 b. $0^{82} = 0$

10 a. $3^3 = 27$

10 b. $6^1 = 6$