



Exponents - Power Law with Prime Base (Negatives, Expanded Fraction to Fraction with Power)

1 Find the answer when these terms are multiplied

$$\frac{1}{7} \cdot \frac{1}{7} \cdot \frac{1}{7} \cdot \frac{1}{7}$$

A $\frac{1}{7^4}$

B 7^3

C $\frac{1}{7^{40}}$

D $\frac{1}{7^3}$

2 Find the answer when these terms are multiplied

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

A $\frac{1}{2^3}$

B $\frac{1}{2^2}$

C $\frac{1}{2^{300}}$

D 2^0

3 Find the answer when these terms are multiplied

$$\frac{1}{5^2} \cdot \frac{1}{5^2} \cdot \frac{1}{5^2} \cdot \frac{1}{5^2}$$

A $\frac{1}{5^7}$

B $\frac{1}{5^{800}}$

C 5^0

D 5^2

E $\frac{1}{5^8}$

4 Find the answer when these terms are multiplied

$$\frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3}$$

A 3^0

B $\frac{1}{3^3}$

C 3^3

D $\frac{1}{3^4}$

5 Find the answer when these terms are multiplied

$$\frac{1}{2^3} \cdot \frac{1}{2^3} \cdot \frac{1}{2^3} \cdot \frac{1}{2^3}$$

A $\frac{1}{2}$

B $\frac{1}{2^{120}}$

C $\frac{1}{2^9}$

D 2

E $\frac{1}{2^{12}}$

6 Find the answer when these terms are multiplied

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

A 2^0

B 2^3

C $\frac{1}{2^4}$

D $\frac{1}{2^3}$

E 1

7 Find the answer when these terms are multiplied

$$\frac{1}{5^3} \cdot \frac{1}{5^3}$$

A $\frac{1}{5^6}$

B $\frac{1}{5^{600}}$

C $\frac{1}{5}$

D $\frac{1}{5^5}$

E $\frac{1}{5^{60}}$

8 Find the answer when these terms are multiplied

$$\frac{1}{7} \cdot \frac{1}{7} \cdot \frac{1}{7}$$

A 7^2

B 1

C $\frac{1}{7^{300}}$

D $\frac{1}{7^{30}}$

E $\frac{1}{7^3}$