



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

1 Find the answer when these terms are multiplied

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

- A 3^3 B 3^0 C 3^{-4}

2 Find the answer when these terms are multiplied

$$\frac{1}{7^6} \cdot \frac{1}{7^6} \cdot \frac{1}{7^6} \cdot \frac{1}{7^6} \cdot \frac{1}{7^6} \cdot \frac{1}{7^6}$$

- A 7^{-33} B 7^{-3} C 7^{-36} D 7^{-39} E 7^{-360}

3 Find the answer when these terms are multiplied

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

- A $5^{-1,800}$ B 5^3 C 5^{-20} D 5^{-18}

4 Find the answer when these terms are multiplied

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

- A 5^{-3} B 5^{-300} C 5^0 D 5^{-30}

5 Find the answer when these terms are multiplied

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

- A 5^{-23} B 5^{-24} C $5^{-2,400}$ D 5^{-240} E 5^{-2}

6 Find the answer when these terms are multiplied

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

- A 5^{-3} B 5^0 C 5^{-400}
D 5^{-4}

7 Find the answer when these terms are multiplied

$$\frac{1}{11^2} \cdot \frac{1}{11^2} \cdot \frac{1}{11^2} \cdot \frac{1}{11^2} \cdot \frac{1}{11^2}$$

- A 11^{-9} B 11^{-8} C $11^{-1,000}$ D 11^{-10} E 11^{-100}

8 Find the answer when these terms are multiplied

$$\frac{1}{3^6} \cdot \frac{1}{3^6} \cdot \frac{1}{3^6} \cdot \frac{1}{3^6} \cdot \frac{1}{3^6} \cdot \frac{1}{3^6}$$

- A 3^0 B 3^{-36} C 3^{-40} D 3^{-31} E 3^{-42}