Math worksheet on *'Exponents - Power Law with Prime Base (Negatives, Expanded Fraction to Fraction with Power) (Level 1)'*. Part of a broader unit on *'Exponents - Negative, Fractional, and Power Law'*

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1 Find the answer when these terms are multiplied

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

a $\frac{1}{2^2}$ **b** 2^2 **c** $\frac{1}{2^3}$

2 Find the answer when these terms are multiplied

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

a $\frac{1}{5^3}$ **b** $\frac{1}{5^{400}}$ **c** $\frac{1}{5^{40}}$ **d** 1 **e** $\frac{1}{5^4}$

3 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 $\frac{1}{2^{1,200}}$ **b** $\frac{1}{2^{13}}$ **c** $\frac{1}{2^{12}}$ **d** 1 **e** $\frac{1}{2^{11}}$

4 Find the answer when these terms are multiplied

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

a $\frac{1}{3}$ **b** $\frac{1}{3^{12}}$ **c** $\frac{1}{3^{13}}$ **d** $\frac{1}{3^{120}}$

5 Find the answer when these terms are multiplied

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

a 1 **b** 3^0 **c** $\frac{1}{3^4}$ **d** $\frac{1}{3^{400}}$ **e** $\frac{1}{3^3}$

6 Find the answer when these terms are multiplied

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

a $\frac{1}{5^{12}}$ **b** $\frac{1}{5^{13}}$ **c** $\frac{1}{5^{10}}$ **d** $\frac{1}{5^9}$

7 Find the answer when these terms are multiplied

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

a 1 **b** $\frac{1}{7^8}$ **c** $\frac{1}{7^9}$ **d** $\frac{1}{7^{900}}$ **e** $\frac{1}{7^{10}}$

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