Math worksheet on *'Exponents - Power Law with Variable 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

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

a r^0 **b** $\frac{1}{r^9}$ **c** $\frac{1}{r^{90}}$ **d** $\frac{1}{r^{10}}$ **e** 1

2 Find the answer when these terms are multiplied

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

a $\frac{1}{m^5}$ **b** $\frac{1}{m}$ **c** $\frac{1}{m^6}$ **d** $\frac{1}{m^{60}}$

3 Find the answer when these terms are multiplied

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

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

4 Find the answer when these terms are multiplied

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

a $\frac{1}{p^5}$ **b** $\frac{1}{p^6}$ **c** p **d** $\frac{1}{p^7}$

5 Find the answer when these terms are multiplied

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

a z^0 **b** $\frac{1}{z^9}$ **c** z^2 **d** $\frac{1}{z^8}$

6 Find the answer when these terms are multiplied

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

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

7 Find the answer when these terms are multiplied

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

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