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Math worksheet on *'Exponents - Power Law with Composite Base (Negatives, Expanded Fraction to Fraction with Power) (Level 1)'*. Part of a broader unit on *'Exponents - Multiplication and Division - Advanced'*

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1 Find the answer when these terms are multiplied

$$\frac{1}{21^3} \cdot \frac{1}{21^3}$$

a $\frac{1}{21}$ **b** $\frac{1}{21^{60}}$ **c** $\frac{1}{21^6}$ **d** $\frac{1}{21^5}$ **e** 1

2 Find the answer when these terms are multiplied

$$\frac{1}{77^2} \cdot \frac{1}{77^2} \cdot \frac{1}{77^2}$$

a 77 **b** $\frac{1}{77^6}$ **c** $\frac{1}{77^{600}}$ **d** 1

3 Find the answer when these terms are multiplied

$$\frac{1}{21^2} \cdot \frac{1}{21^2}$$

a $\frac{1}{21^{40}}$ **b** $\frac{1}{21^3}$ **c** $\frac{1}{21^4}$ **d** 21^0 **e** 1

4 Find the answer when these terms are multiplied

$$\frac{1}{21} \cdot \frac{1}{21}$$

a $\frac{1}{21}$ **b** $\frac{1}{21^2}$ **c** 21 **d** $\frac{1}{21^{20}}$

5 Find the answer when these terms are multiplied

$$\frac{1}{14} \cdot \frac{1}{14} \cdot \frac{1}{14}$$

a $\frac{1}{14^3}$ **b** 14^2 **c** $\frac{1}{14^2}$

6 Find the answer when these terms are multiplied

$$\frac{1}{22^2} \cdot \frac{1}{22^2} \cdot \frac{1}{22^2} \cdot \frac{1}{22^2}$$

a $\frac{1}{22^7}$ **b** 1 **c** $\frac{1}{22^8}$ **d** 22^2

7 Find the answer when these terms are multiplied

$$\frac{1}{22^3} \cdot \frac{1}{22^3}$$

a $\frac{1}{22^6}$ **b** $\frac{1}{22^5}$ **c** 1 **d** $\frac{1}{22^{60}}$ **e** $\frac{1}{22}$