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

Learn online:

app.mobius.academy/math/units/exponents_negatives_fractions_and_power_law/

1 Find the answer when these terms are multiplied

$$2^{-1} \cdot 2^{-1}$$

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

2 Find the answer when these terms are multiplied

$$5^{-3} \cdot 5^{-3} \cdot 5^{-3}$$

a 5^{0} **b** $\frac{1}{5^{9}}$ **c** $\frac{1}{5^{10}}$ **d** $\frac{1}{5^{8}}$

3 Find the answer when these terms are multiplied

$$11^{-3} \cdot 11^{-3} \cdot 11^{-3} \cdot 11^{-3}$$

a 11 **b** $\frac{1}{11^{10}}$ **c** 11^{0} **d** $\frac{1}{11^{11}}$ **e** $\frac{1}{11^{12}}$

4 Find the answer when these terms are multiplied

$$11^{-2} \cdot 11^{-2}$$

a $\frac{1}{11^{400}}$ **b** 11^{0} **c** $\frac{1}{11^{4}}$ **d** $\frac{1}{11^{3}}$

5 Find the answer when these terms are multiplied

$$11^{-1} \cdot 11^{-1} \cdot 11^{-1}$$

a 11^{0} **b** $\frac{1}{11^{3}}$ **c** $\frac{1}{11^{30}}$ **d** 1

6 Find the answer when these terms are multiplied

$$3^{-3} \cdot 3^{-3}$$

a $\frac{1}{3^{5}}$ **b** $\frac{1}{3^{600}}$ **c** $\frac{1}{3^{7}}$ **d** $\frac{1}{3^{6}}$ **e** $\frac{1}{3}$

7 Find the answer when these terms are multiplied

$$5^{-1} \cdot 5^{-1} \cdot 5^{-1}$$

a $\frac{1}{5^{3}}$ **b** 5^{2} **c** $\frac{1}{5^{2}}$