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

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1 Find the answer when this term is raised to its exponent

$(7^4)^2$

a) 7^{800} b) 7^8 c) 7^0 d) 7^{80} e) 7^6

2 Find the answer when this term is raised to its exponent

$(2^4)^4$

a) 2^{13} b) 2^8 c) 2^{16} d) 2^{160}

3 Find the answer when this term is raised to its exponent

$(3^5)^3$

a) 3^{15} b) 3^8 c) 3^{16} d) 3^{17} e) 3^{14}

4 Find the answer when this term is raised to its exponent

$(3^4)^2$

a) 3^0 b) 3^8 c) 3^9 d) 3^{800}

5 Find the answer when this term is raised to its exponent

$(11^3)^2$

a) 11^7 b) 11^5 c) 11^6

6 Find the answer when this term is raised to its exponent

$(3^4)^3$

a) 3^7 b) 3^{12} c) 3^0 d) 3^{10}

7 Find the answer when this term is raised to its exponent

$(3^5)^4$

a) 3^{22} b) 3^{16} c) 3^{19} d) 3^{20}