MIXED OPERATIONS WITH POWERS

1. YOUNGLING

$5^8 : 5^2 =$ $\qquad$ $7^2 : 7^5 =$

$3^7 \cdot 3^9 =$ $\qquad$ $4^{-3} : 4^8 =$

$(-5)^8 : (-5)^{-3} =$ $\qquad$ $(5^8)^7 =$

2. PADAWAN

$\left(\dfrac{5}{3}\right)^3 : \left(\dfrac{5}{3}\right)^8 = \left(\dfrac{3}{5}\right)$ $\qquad$ $\left(\dfrac{5}{3}\right)^3 \cdot \left(\dfrac{1}{4}\right)^3 = \left(-\right)$

$\left(\dfrac{3}{7}\right)^3 : \left(\dfrac{2}{5}\right)^3 = \left(-\right)$ $\qquad$ $\left(\dfrac{5}{3}\right)^{-3} \cdot \left(\dfrac{5}{3}\right)^{-8} = \left(-\right)$

3. JEDI KNIGHT

$(5^3)^{-2} \cdot 5^4 =$ $\qquad$ $\left(\left(\dfrac{5}{9}\right)^{-3} \cdot \left(\dfrac{5}{9}\right)^8\right)^{-3} = \left(-\right)$

$\left(\left(\dfrac{5}{3}\right)^3 : \left(\dfrac{5}{3}\right)^8\right)^{-3} = \left(-\right)$ $\qquad$ $\left(\left(\dfrac{7}{4}\right)^3 \cdot \left(\dfrac{5}{3}\right)^3\right)^{-8} = \left(-\right)$

4. JEDI MASTER

$\left(\left(\dfrac{4}{3}\right)^{-3} : \left(\dfrac{3}{4}\right)^{-3}\right)^{-3} = \left(-\right)$ $\qquad$ $\left(\left(\dfrac{5}{9}\right)^{-4} \cdot \left(\dfrac{9}{5}\right)^3\right)^{-3} = \left(-\right)$

$\left(\left(\dfrac{7}{4}\right)^3 : 5^3\right)^{-8} = \left(-\right)$ $\qquad$ $\left(\left(\dfrac{7}{4}\right)^{-3} : \left(\dfrac{4}{3}\right)^3\right)^{-8} = \left(-\right)$