



MIXED OPERATIONS WITH POWERS

1. YOUNGLING

$$\begin{aligned}5^8 : 5^2 &= \\3^7 \cdot 3^9 &= \\(-5)^8 : (-5)^{-3} &= \end{aligned}$$

$$\begin{aligned}7^2 : 7^5 &= \\4^{-3} : 4^8 &= \\(5^8)^7 &= \end{aligned}$$

2. PADAWAN

$$\left(\frac{5}{3}\right)^3 : \left(\frac{5}{3}\right)^8 = \left(\frac{3}{5}\right)$$

$$\left(\frac{5}{3}\right)^3 \cdot \left(\frac{1}{4}\right)^3 = (-)$$

$$\left(\frac{3}{7}\right)^3 : \left(\frac{2}{5}\right)^3 = (-)$$

$$\left(\frac{5}{3}\right)^{-3} \cdot \left(\frac{5}{3}\right)^{-8} = (-)$$

3. JEDI KNIGHT

$$(5^3)^{-2} \cdot 5^4 =$$

$$\left(\left(\frac{5}{9}\right)^{-3} \cdot \left(\frac{5}{9}\right)^8\right)^{-3} = (-)$$

$$\left(\left(\frac{5}{3}\right)^3 : \left(\frac{5}{3}\right)^8\right)^{-3} = (-)$$

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

4. JEDI MASTER

$$\left(\left(\frac{4}{3}\right)^{-3} : \left(\frac{3}{4}\right)^{-3}\right)^{-3} = (-)$$

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

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

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