

MIXED OPERATIONS WITH POWERS

1. YOUNGLING

$5^8 : 5^2 =$

$7^2 : 7^5 =$

$3^7 \cdot 3^9 =$

$4^{-3} : 4^8 =$

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

$(5^8)^7 =$

2. PADAWAN

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

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

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

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

3. JEDI KNIGHT

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

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

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

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

4. JEDI MASTER

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

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

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

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

LIVEWORKSHEETS