

Grade: 6 Category: Exponents Sub Category- Equations with exponents (fractional bases) Worksheet #: 74 Q

1) $\left(\frac{1}{2}\right)^1 + (0.5)^1$	2) $\left(\frac{2}{5}\right)^1 - \left(\frac{1}{5}\right)^2 =$	3) $5^3 \times 0.5^3 =$
4) $4^3 \div \left(\frac{3}{4}\right)^3 =$	5) $0.5^2 \times \left(\frac{3}{10}\right)^1 =$	6) $\left(\frac{1}{4}\right)^2 - \left(\frac{1}{8}\right)^2 =$
7) $5^2 \times \left(\frac{1}{25}\right)^2 =$	8) $0.879^0 \times 0^{31} =$	9) $0^3 \div \left(\frac{1}{12}\right)^6 =$
10) $8^2 - 0.3^3 =$	11) $1^9 \div \left(\frac{1}{15}\right)^1 =$	12) $\left(\frac{2}{5}\right)^3 \div 0.5^2 =$

Grade: 6 **Category: Exponents** **Sub Category: Equations with exponents (fractional bases)**

Worksheet #: 74 A

1) $\left(\frac{1}{2}\right)^1 + (0.5)^1 = 1$	2) $\left(\frac{2}{5}\right)^1 - \left(\frac{1}{5}\right)^2 = \frac{9}{25}$	3) $5^3 \times 0.5^3 = 15.625$
4) $4^3 \div \left(\frac{3}{4}\right)^3 = \frac{4096}{27}$	5) $0.5^2 \times \left(\frac{3}{10}\right)^1 = 0.075$	6) $\left(\frac{1}{4}\right)^2 - \left(\frac{1}{8}\right)^2 = \frac{3}{64}$
7) $5^2 \times \left(\frac{1}{25}\right)^2 = \frac{1}{25}$	8) $0.879^0 \times 0^{31} = 0$	9) $0^3 \div \left(\frac{1}{12}\right)^6 = 0$
10) $8^2 - 0.3^3 = 63.973$	11) $1^9 \div \left(\frac{1}{15}\right)^1 = 15$	12) $\left(\frac{2}{5}\right)^3 \div 0.5^2 = 0.256$