

Practice with Indices

1. Evaluate:

a. 4^3

b. $\sqrt[4]{16}$

c. $3 + 2^2$

d. $(3 + 2)^2$

2. Evaluate:

a. $2^2 \times 2^5$

b. $3^5 \div 3^3$

c. $4^2 \div 4^3$

d. $10^5 \times 10^2 \div 10^4$

e. 5^1

f. 16^{-1}

g. 5^{-2}

h. $16^{\frac{1}{4}}$

i. $32^{\frac{3}{5}}$

j. 10^0

k. $16^{-\frac{3}{4}}$

l. $64^{0.5}$