

Fractional Indices

Increasingly
Difficult
Exercises

a)

$$16^{\frac{1}{2}}$$

b)

$$8^{\frac{1}{3}}$$

c)

$$32^{\frac{1}{5}}$$

d)

$$81^{\frac{1}{4}}$$

e)

$$8^{\frac{2}{3}}$$

f)

$$125^{\frac{2}{3}}$$

g)

$$16^{\frac{3}{4}}$$

h)

$$\left(\frac{16}{25}\right)^{\frac{1}{2}}$$

i)

$$\left(\frac{8}{27}\right)^{\frac{2}{3}}$$

j)

Solve $x^{\frac{1}{2}} = 9$

k)

Solve $x^{\frac{2}{3}} = 4$

l)

Solve $x^{\frac{3}{5}} = 8$

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