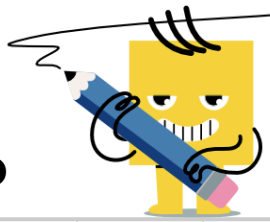
Name



Exponents - Fractional Exponents with Non-Square Integer Base - Exponent to Unsimplified Radical

1 Find the radical that is the same as this number raised to its exponent

$75^{\left(\frac{1}{2}\right)}$

A $\sqrt{75}^2$ | B $\frac{1}{\sqrt{75}}$ | C $\sqrt{75}$

D $4\sqrt{75}$ | E 1 | F $2\sqrt{75}$

2 Find the radical that is the same as this number raised to its exponent

$144^{\left(\frac{1}{2}\right)}$

A 1 | B $\sqrt{144}$ | C $\sqrt{144}^2$

D $5\sqrt{144}$ | E $\frac{1}{\sqrt{144}}$ | F $4\sqrt{144}$

3 Find the radical that is the same as this number raised to its exponent

$45^{\left(\frac{1}{2}\right)}$

A $\sqrt{45}$ | B $\frac{1}{\sqrt{45}}$ | C $3\sqrt{45}$

D $5\sqrt{45}$ | E 1 | F $4\sqrt{45}$

4 Find the radical that is the same as this number raised to its exponent

$48^{\left(\frac{1}{2}\right)}$

A $\sqrt{48}^2$ | B $\frac{1}{\sqrt{48}}$ | C $4\sqrt{48}$

D $3\sqrt{48}$ | E 1 | F $\sqrt{48}$

5 Find the radical that is the same as this number raised to its exponent

$108^{\left(\frac{1}{2}\right)}$

A $2\sqrt{108}$ | B $\sqrt{108}$ | C $4\sqrt{108}$

D $3\sqrt{108}$ | E 1 | F $\frac{1}{\sqrt{108}}$

6 Find the radical that is the same as this number raised to its exponent

$32^{\left(\frac{1}{2}\right)}$

A $\frac{1}{\sqrt{32}}$ | B $5\sqrt{32}$ | C $4\sqrt{32}$

D $\sqrt{32}$ | E 1 | F $2\sqrt{32}$

7 Find the radical that is the same as this number raised to its exponent

$24^{\left(\frac{1}{2}\right)}$

A $\sqrt{24}$ | B 1 | C $\sqrt{2}$

D $\frac{1}{\sqrt{24}}$ | E $4\sqrt{24}$ | F $\sqrt{24}^2$

8 Find the radical that is the same as this number raised to its exponent

$72^{\left(\frac{1}{2}\right)}$

A 1 | B $2\sqrt{72}$ | C $5\sqrt{72}$

D $\sqrt{72}$ | E $4\sqrt{72}$ | F $3\sqrt{72}$