Name

Exponents - Negative Fractional Exponents with Square Integer Base - Exponent to Factored Exponent

1 Factor the base number and simplify to make it easier to solve

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

A $\frac{1}{(5 \cdot 5 \cdot 5)^{\left(\frac{1}{2}\right)}}$

B $\frac{1}{(5 \cdot 5 \cdot 11)^{\left(\frac{1}{2}\right)}}$

C $\frac{1}{(3 \cdot 5 \cdot 5)^{\left(\frac{1}{2}\right)}}$

D $\frac{1}{(5 \cdot 5 \cdot 7)^{\left(\frac{1}{2}\right)}}$

E $\frac{1}{(5 \cdot 5)^{\left(\frac{1}{2}\right)}}$

F $\frac{1}{(5 \cdot 5 \cdot 13)^{\left(\frac{1}{2}\right)}}$

2 Factor the base number and simplify to make it easier to solve

$36^{\left(\frac{-1}{2}\right)}$

A $\frac{1}{(2 \cdot 2 \cdot 2 \cdot 3 \cdot 3)^{\left(\frac{1}{2}\right)}}$

B $\frac{1}{(2 \cdot 3 \cdot 3)^{\left(\frac{1}{2}\right)}}$

C $\frac{1}{(2 \cdot 2 \cdot 3 \cdot 3)^{\left(\frac{1}{2}\right)}}$

D $\frac{1}{(2 \cdot 2 \cdot 3 \cdot 3 \cdot 11)^{\left(\frac{1}{2}\right)}}$

E $\frac{1}{(2 \cdot 2 \cdot 3)^{\left(\frac{1}{2}\right)}}$

F $\frac{1}{(2 \cdot 2 \cdot 9)^{\left(\frac{1}{2}\right)}}$

3 Factor the base number and simplify to make it easier to solve

$9^{\left(\frac{-1}{2}\right)}$

A $\frac{1}{(3 \cdot 3 \cdot 13)^{\left(\frac{1}{2}\right)}}$

B $\frac{1}{(3 \cdot 3 \cdot 3)^{\left(\frac{1}{2}\right)}}$

C $\frac{1}{(3 \cdot 3 \cdot 5)^{\left(\frac{1}{2}\right)}}$

D $\frac{1}{(3 \cdot 3)^{\left(\frac{1}{2}\right)}}$

E $\frac{1}{(3 \cdot 3 \cdot 7)^{\left(\frac{1}{2}\right)}}$

F $\frac{1}{(3 \cdot 3 \cdot 11)^{\left(\frac{1}{2}\right)}}$

4 Factor the base number and simplify to make it easier to solve

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

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

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

C $\frac{1}{(2 \cdot 2 \cdot 2 \cdot 2 \cdot 5)^{\left(\frac{1}{2}\right)}}$

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

E $\frac{1}{(2 \cdot 2 \cdot 4)^{\left(\frac{1}{2}\right)}}$

F $\frac{1}{(2 \cdot 2 \cdot 2 \cdot 2 \cdot 3)^{\left(\frac{1}{2}\right)}}$

5 Factor the base number and simplify to make it easier to solve

$4^{\left(\frac{-1}{2}\right)}$

A $\frac{1}{(2 \cdot 2 \cdot 11)^{\left(\frac{1}{2}\right)}}$

B $\frac{1}{(2 \cdot 2 \cdot 5)^{\left(\frac{1}{2}\right)}}$

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

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

E $\frac{1}{(2 \cdot 2 \cdot 13)^{\left(\frac{1}{2}\right)}}$

F $\frac{1}{(2 \cdot 2 \cdot 7)^{\left(\frac{1}{2}\right)}}$