Name

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

1 Find the answer when this factored number is raised to its exponent

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

A	B	C	D	E	F
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{6\sqrt{2}}$	$\frac{1}{1}$	$\frac{1}{6\sqrt{3}}$	$\frac{1}{6}$

2 Find the answer when this factored number is raised to its exponent

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

A	B	C	D	E	F
$\frac{1}{5\sqrt{2}}$	$\frac{1}{3}$	$\frac{1}{5\sqrt{4}}$	$\frac{1}{4}$	$\frac{1}{1}$	$\frac{1}{5}$

3 Find the answer when this factored number is raised to its exponent

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

A	B	C	D	E	F
$\frac{1}{2\sqrt{2}}$	$\frac{1}{5}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2\sqrt{3}}$	$\frac{1}{1}$

4 Find the answer when this factored number is raised to its exponent

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

A	B	C	D	E	F
$\frac{1}{3}$	$\frac{1}{3\sqrt{3}}$	$\frac{1}{1}$	$\frac{1}{4}$	$\frac{1}{3\sqrt{2}}$	$\frac{1}{2}$

5 Find the answer when this factored number is raised to its exponent

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

A	B	C	D	E
$\frac{1}{1}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{4\sqrt{4}}$	$\frac{1}{5}$