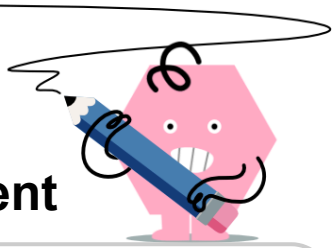
Name

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



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

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

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

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

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

A	B	C	D	E
1	5	3	2	4

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

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

A	B	C	D	E	F
1	5	3	2	$3\sqrt[3]{2}$	$3\sqrt[3]{3}$

4 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
4	6	3	$6\sqrt{2}$	1	2

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

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

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

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

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

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

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

$$(3 \cdot 3 \cdot 3 \cdot 3)^{\left(\frac{1}{4}\right)}$$

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

8 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	F
5	2	$4\sqrt{4}$	1	4	$4\sqrt{2}$