

Math worksheet on 'Exponents - Fractional Exponents with Square Integer Base - Factored Exponent to Answer (Level 2)'. Part of a broader unit on 'Exponents - Fractional Bases and Exponents - Intro'

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

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

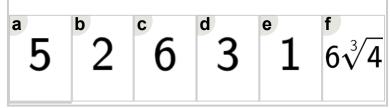
a	b	C	d	е	f
$2\sqrt[4]{3}$	$2\sqrt[4]{4}$	2	4	3	1

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

a	b	C	d	е	f
6	4	1	$6\sqrt{2}$	3	2

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

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



$$(3\cdot3)^{\left(\frac{1}{2}\right)}$$
 d e f  $3\sqrt{2}$  2 1

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

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

a	b	C	d	е	f
1	$2\sqrt[3]{3}$	2	3	$2\sqrt[3]{4}$	5

5 Find the answer when this factored number is raised to its exponent 2 
$$\nu$$

umber is raised to its exponent	$2\sqrt{2}$	$2\sqrt{3}$	4
$2)^{(\frac{1}{2})}$	3	2	1

b

C

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

а	b	C	d	е
4	3	5	1	2