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

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

a	b	c	d	e	f
2	$3\sqrt[3]{2}$	5	1	3	$3\sqrt[3]{3}$

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

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

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

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

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

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

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

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

a	b	c	d	e	f
2	3	4	$2\sqrt{2}$	1	$2\sqrt{3}$

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

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

a	b	c	d	e	f
3	$6\sqrt[3]{4}$	6	2	5	1

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

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

a	b	c	d	e	f
4	2	$5\sqrt{2}$	3	1	5

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

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

a	b	c	d	e	f
6	1	$6\sqrt{2}$	4	2	3