



Math worksheet on 'Exponents - Fractional Exponents with Square Integer Base - Factored Exponent to Answer (Level 1)'. 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

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

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

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

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

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

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

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

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

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