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

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

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

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

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

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

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

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

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

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

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

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

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