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Math worksheet on *'Exponents - Fractional Exponents with Non-Square Integer Base - Exponent to Simplified Radical (Level 1)'*. Part of a broader unit on *'Exponents - Fractional Bases and Exponents - Intro'*

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

$100^{\left(\frac{1}{2}\right)}$

a	b	c
3	$10\sqrt{4}$	10
d	**e**	**f**
2	1	$10\sqrt{2}$

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

$96^{\left(\frac{1}{2}\right)}$

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

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

$48^{\left(\frac{1}{2}\right)}$

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

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

$150^{\left(\frac{1}{2}\right)}$

a	b	c
$5\sqrt{6}$	5	$5\sqrt{2}$
d	**e**	**f**
$\sqrt{6}$	$3\sqrt{6}$	$2\sqrt{6}$

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

$20^{\left(\frac{1}{2}\right)}$

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

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

$32^{\left(\frac{1}{2}\right)}$

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

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

$36^{\left(\frac{1}{2}\right)}$

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