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

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1 Find the radical that is the same as this number raised to its exponent

$25^{\left(\frac{1}{2}\right)}$

a	b	c
$3\sqrt{25}$	$\sqrt{25}^2$	$\frac{1}{\sqrt{25}}$
d	**e**	**f**
$\sqrt{25}$	$\sqrt{2}$	1

2 Find the radical that is the same as this number raised to its exponent

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

a	b	c
$3\sqrt{36}$	$5\sqrt{36}$	1
d	**e**	**f**
$4\sqrt{36}$	$2\sqrt{36}$	$\sqrt{36}$

3 Find the radical that is the same as this number raised to its exponent

$16^{\left(\frac{1}{2}\right)}$

a	b	c
$2\sqrt{16}$	$\sqrt{16}$	$3\sqrt{16}$
d	**e**	**f**
$4\sqrt{16}$	1	$\sqrt{2}$

4 Find the radical that is the same as this number raised to its exponent

$4^{\left(\frac{1}{2}\right)}$

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

5 Find the radical that is the same as this number raised to its exponent

$9^{\left(\frac{1}{2}\right)}$

a	b	c
$\sqrt{4}$	$4\sqrt{9}$	$\sqrt{9}$
d	**e**	**f**
$2\sqrt{9}$	1	$3\sqrt{9}$