mobius

Math worksheet on *'Exponents - Negative Fractional Exponents with Square Integer Base - Exponent to Answer (Level 1)'*. Part of a broader unit on *'Exponents - Fractional Bases and Exponents - Practice'*
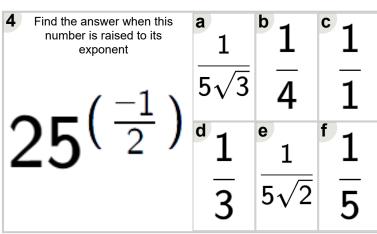
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1 Find the answer when this number is raised to its exponent

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

a	b	c
$\dfrac{1}{6}$	$\dfrac{1}{4}$	$\dfrac{1}{5}$
d $\dfrac{1}{1}$	**e** $\dfrac{1}{2}$	**f** $\dfrac{1}{3}$

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

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

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

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

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

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

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

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

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

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

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

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