Name

Exponents - Fractional Exponents with Non-Square Integer Base - Exponent to Simplified Radical

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

$108^{\left(\frac{1}{2}\right)}$

A	B	C
$6\sqrt{3}$	$3\sqrt{3}$	$6\sqrt{4}$
D	E	F
$\sqrt{3}$	6	$5\sqrt{3}$

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

$18^{\left(\frac{1}{2}\right)}$

A	B	C
$5\sqrt{2}$	$2\sqrt{2}$	$\sqrt{2}$
D	E	F
$3\sqrt{4}$	3	$3\sqrt{2}$

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

$192^{\left(\frac{1}{3}\right)}$

A	B	C
$\sqrt[3]{3}$	$5\sqrt[3]{3}$	$3\sqrt[3]{3}$
D	E	F
$2\sqrt[3]{3}$	4	$4\sqrt[3]{3}$

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

$80^{\left(\frac{1}{2}\right)}$

A	B	C
$4\sqrt{4}$	$4\sqrt{3}$	4
D	E	F
$\sqrt{5}$	$4\sqrt{2}$	$4\sqrt{5}$

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

$32^{\left(\frac{1}{3}\right)}$

A	B	C
$3\sqrt[3]{4}$	2	$2\sqrt[3]{4}$
D	E	F
$\sqrt[3]{4}$	$4\sqrt[3]{4}$	$5\sqrt[3]{4}$

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

$75^{\left(\frac{1}{2}\right)}$

A	B	C
$5\sqrt{3}$	$\sqrt{3}$	$5\sqrt{4}$
D	E	F
$3\sqrt{3}$	5	$4\sqrt{3}$

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

$108^{\left(\frac{1}{3}\right)}$

A	B	C
$3\sqrt[3]{2}$	$3\sqrt[3]{3}$	$\sqrt[3]{4}$
D	E	F
$2\sqrt[3]{4}$	$3\sqrt[3]{4}$	3

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

$54^{\left(\frac{1}{2}\right)}$

A	B	C
$3\sqrt{6}$	$\sqrt{6}$	$3\sqrt{2}$
D	E	
$4\sqrt{6}$	3	