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

$72^{\left(\frac{1}{2}\right)}$

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

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

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

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

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

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

A	B	C
2	3	10
D	E	F
1	$10\sqrt{4}$	$10\sqrt{2}$

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

$45^{\left(\frac{1}{2}\right)}$

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

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

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

A	B	C
$4\sqrt{2}$	$4\sqrt{4}$	4
D	E	F
1	$4\sqrt{3}$	5

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

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

A	B	C
$6\sqrt{4}$	6	$6\sqrt{3}$
D	E	F
1	4	$6\sqrt{2}$

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

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

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

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

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

A	B	C
5	$3\sqrt{6}$	$2\sqrt{6}$
D	E	F
$5\sqrt{2}$	$5\sqrt{6}$	$\sqrt{6}$