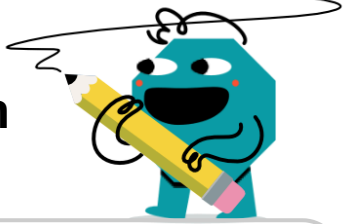
Name

Exponents - Fractional Exponents with Integer Base - Explanation to Answer



1 Given the hint, what is the fractional exponent the same as?

$9^{(\frac{1}{2})} \cdot 9^{(\frac{1}{2})} = 9$

$9^{(\frac{1}{2})} = ?$

A	B	C
2	4	3
D $\frac{1}{\sqrt{9}}$	E $\sqrt[3]{9}$	F 9

2 Given the hint, what is the fractional exponent the same as?

$25^{(\frac{1}{2})} \cdot 25^{(\frac{1}{2})} = 25$

$25^{(\frac{1}{2})} = ?$

A	B	C	D	E	F
6	25	$\frac{1}{\sqrt{25}}$	4	$\sqrt[3]{25}$	5

3 Given the hint, what is the fractional exponent the same as?

$36^{(\frac{1}{2})} \cdot 36^{(\frac{1}{2})} = 36$

$36^{(\frac{1}{2})} = ?$

A	B	C	D	E	F
36	$\sqrt[3]{36}$	6	$\frac{1}{\sqrt{36}}$	5	7

4 Given the hint, what is the fractional exponent the same as?

$4^{(\frac{1}{2})} \cdot 4^{(\frac{1}{2})} = 4$

$4^{(\frac{1}{2})} = ?$

A	B	C
3	1	2
D $\frac{1}{\sqrt{4}}$	E $\sqrt[3]{4}$	F 4

5 Given the hint, what is the fractional exponent the same as?

$16^{(\frac{1}{2})} \cdot 16^{(\frac{1}{2})} = 16$

$16^{(\frac{1}{2})} = ?$

A	B	C	D	E	F
$\frac{1}{\sqrt{16}}$	$\sqrt[3]{16}$	5	3	4	16