Exponents: Integral and Rational Exponents, 10-question test — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The value of 4 to the power negative 1 as a decimal is**

Question 1

The value of 4 to the power negative 1 as a decimal is

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The value of 2 to the power negative 2 as a decimal is**

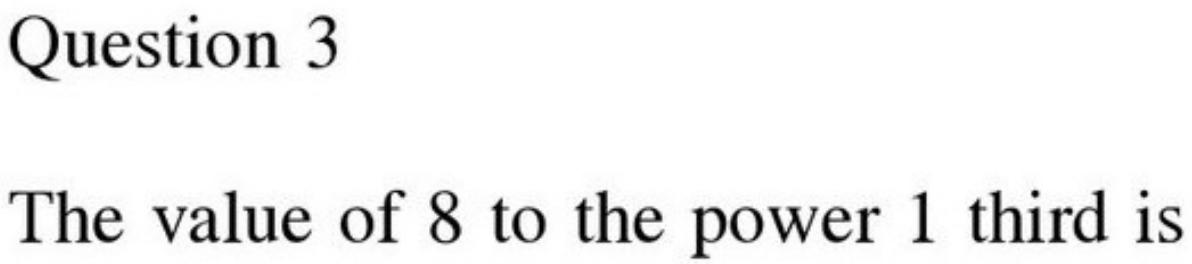
Question 2

The value of 2 to the power negative 2 as a decimal is

ANSWER _____

Understand It with Pulse | Flag a mistake

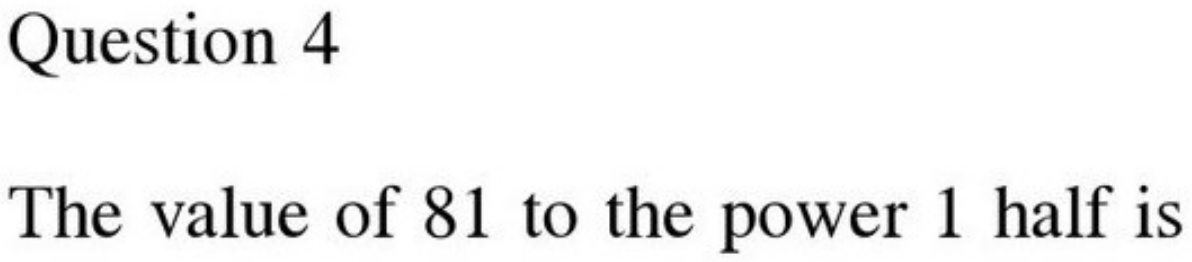
3 **The value of 8 to the power 1 third is**



ANSWER

Understand It with Pulse | Flag a mistake

4 **The value of 81 to the power 1 half is**



ANSWER

Understand It with Pulse | Flag a mistake

5 **The value of 5 to the power 2 times 5 to the power 3 is**

Question 5

The value of 5 to the power 2 times 5 to the power 3 is

ANSWER

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6 **The value of 2 to the power 5 divided by 2 to the power 3 is**

Question 6

The value of 2 to the power 5 divided by 2 to the power 3 is

ANSWER

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7 **The value of 100 to the power 1 half is**

Question 7

The value of 100 to the power 1 half is

ANSWER

Understand It with Pulse | Flag a mistake

8 The value of a number to the power 1 is

Question 8

The value of a number to the power 1 is

A) the number itself

B) 1

C) 0

D) negative 1

A the number itself

B 1

C 0

D negative 1

Understand It with Pulse

Flag a mistake

9 A rational exponent with denominator 3 represents a

Question 9

A rational exponent with denominator 3 represents a

A) square root

B) cube root

C) square

D) reciprocal

A square root

B cube root

C square

D reciprocal

Understand It with Pulse

Flag a mistake

10 Scientific notation writes a number as a decimal times a power of

Question 10

Scientific notation writes a number as a decimal times a power of

A) 2

B) 5

C) 10

D) 100

A 2

B 5

C 10

D 100

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. 0.25
2. 0.25
3. 2
4. 9
5. 3125
6. 4
7. 10
8. A
9. B
10. C

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