EXPONENTS: INTEGRAL AND RATIONAL EXPONENTS - PRACTICE TEST | NEW BRUNSWICK NUMBER, RELATIONS AND FUNCTIONS 10 · UNIT B · 25 QUESTIONS

Exponents: Integral and Rational Exponents — 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 2^3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The value of 2^4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The value of 2^5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The value of 3^3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The value of 3^4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The value of 5^3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The value of 4^3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The value of 6^2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The value of 7^2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The value of 10^3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **The value of $2^{-}1$ as a decimal is**

ANSWER _____

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12 **The value of $3^{-}2$ as a decimal to four places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The value of 5^{0} is**

ANSWER _____

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14 **The value of $9^{1}/^{2}$ as a decimal is**

ANSWER _____

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15 **The value of $16^{1}/^{2}$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The value of 27^{1} third is**

ANSWER

Understand It with Pulse | Flag a mistake

17 **The value of $2^{3} \times 2^{2}$ is**

ANSWER

Understand It with Pulse | Flag a mistake

18 **The value of $3^{4} / 3^{2}$ is**

ANSWER

Understand It with Pulse | Flag a mistake

19 **The value of $4^{1/2} \times 4^{1/2}$ is**

ANSWER

Understand It with Pulse | Flag a mistake

20 **Any nonzero number^0 equals**

- A 1
- B 0
- C the number itself
- D -1

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21 **A negative exponent means the base is**

- A made negative
- B reciprocated
- C squared
- D doubled

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22 **When multiplying powers with the same base the exponents are**

A multiplied

B subtracted

C added

D divided

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23 **When dividing powers with the same base the exponents are**

A added

B multiplied

C doubled

D subtracted

Understand It with Pulse | Flag a mistake

24 **A power with a fractional exponent of 1 half represents a**

A square root

B cube root

C square

D cube

Understand It with Pulse | Flag a mistake

25 **The exponent law for a power raised to a power says to**

A add the exponents

B multiply the exponents

C subtract the exponents

D divide the exponents

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 8
2. 16
3. 32
4. 27
5. 81
6. 125
7. 64
8. 36
9. 49
10. 1000
11. 0.5
12. 0.1111
13. 1
14. 3
15. 4
16. 3
17. 32
18. 9
19. 4
20. A
21. B
22. C
23. D
24. A
25. B

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