SASKATCHEWAN FOUNDATIONS OF MATHEMATICS 30 · UNIT E

Exponential and Logarithmic Functions — Practice Test

Saskatchewan Foundations of Mathematics 30 • 10 questions

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 **An amount of 200 grows by a factor of 3 each year. After 2 years, the amount is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **An amount of 200 grows by a factor of 4 each year. After 2 years, the amount is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The value of log base 10 of 1000 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A sample of 100 g has a half-life of 1 hour. After 3 hours, the mass remaining, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A population of 160 doubles every year. After 3 years, the population is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A sample of 800 g has a half-life of 1 hour. After 1 hours, the mass remaining, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The value of log base 4 of 16 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A population of 80 doubles every year. After 4 years, the population is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Solve : $2^x = 128$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **An amount of 200 grows by a factor of 2 each year. After 2 years, the amount is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 1800
2. 3200
3. 3
4. 12.5
5. 1280
6. 400
7. 2
8. 1280
9. 7
10. 800

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