ONTARIO FUNCTIONS AND APPLICATIONS, GRADE 11, UNIVERSITY/COLLEGE PREPARATION (MCF3M) · UNIT B · 5 QUESTIONS

Exponential Functions — 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 **Blue car on a highway. A car worth 1600 dollars loses 10 percent of its value each year. Its value after 1 year, in dollars, is**



A 1280

B 1440

C 1760

D 1590

Understand It with Pulse | Flag a mistake

2 **A radioactive sample starts at 400 grams and halves every day. The amount after 2 days, in grams, is**

- A 200
- B 100
- C 50
- D 400

Understand It with Pulse | Flag a mistake

3 **A town population of 1500 grows by 3 percent each year. After 1 year the population is**

- A 1595
- B 1495
- C 1503
- D 1545

Understand It with Pulse | Flag a mistake

4 **An investment doubles every 5 years. Starting with 500 dollars, the value after 15 years, in dollars, is**

- A 4000
- B 2000
- C 8000
- D 3000

Understand It with Pulse | Flag a mistake

5 **Bacteria double every hour. Starting with 50 bacteria, the number after 5 hours is**

- A 250
- B 800
- C 1600
- D 1650

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. B
3. D
4. A
5. C

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