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

Applications and Financial Mathematics — Practice Test

Ontario Functions and Applications, Grade 11, University/College Preparation (MCF3M) • 25 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 **A car costs 20000 dollars with a down payment of 4000 dollars. The amount financed, in dollars, is**



A 20000

B 16000

C 17000

D 4000

Understand It with Pulse | Flag a mistake

2 **A loan of 1200 dollars is repaid in 12 equal monthly payments with no interest. Each payment, in dollars, is**

- A 110
- B 90
- C 200
- D 100

Understand It with Pulse | Flag a mistake

3 **A person deposits 100 dollars each month for 10 months. The total deposited, in dollars, is**

- A 1000
- B 1100
- C 900
- D 1011

Understand It with Pulse | Flag a mistake

4 **A store sells 3 items for 12 dollars. The unit price, in dollars, is**

- A 5
- B 3
- C 4
- D 15

Understand It with Pulse | Flag a mistake

5 **A laptop costs 1200 dollars and lasts 4 years. Its cost per year, in dollars, is**



A 350

B 250

C 300

D 1200

Understand It with Pulse | Flag a mistake

6 **Buying 4 tickets at 25 dollars each costs, in dollars,**

- A 110
- B 90
- C 100
- D 29

Understand It with Pulse | Flag a mistake

7 **A budget of 500 dollars is reduced by 50 dollars. The remaining budget, in dollars, is**

- A 500
- B 470
- C 550
- D 450

Understand It with Pulse | Flag a mistake

8 **An item priced at 200 dollars is discounted by 10 percent. The discount, in dollars, is**

- A 30
- B 15
- C 200
- D 20

Understand It with Pulse | Flag a mistake

9 **Compound interest: an amount of 1000 dollars at 10 percent per year, compounded annually, for 1 year grows to, in dollars,**

- A 1150
- B 1050
- C 1100
- D 1010

Understand It with Pulse | Flag a mistake

10 **Simple interest on a 1000 dollar deposit at 5 percent per year for 2 years, in dollars, is**



A 150

B 50

C 111

D 100

Understand It with Pulse | Flag a mistake

11 **A car costs 15000 dollars with a down payment of 3000 dollars. The amount financed, in dollars, is**

- A 12000
- B 15000
- C 13000
- D 3000

Understand It with Pulse | Flag a mistake

12 **A loan of 2400 dollars is repaid in 12 equal monthly payments with no interest. Each payment, in dollars, is**

- A 210
- B 190
- C 200
- D 400

Understand It with Pulse | Flag a mistake

13 **A person deposits 200 dollars each month for 5 months. The total deposited, in dollars, is**

- A 1200
- B 1000
- C 800
- D 1011

Understand It with Pulse | Flag a mistake

14 **A store sells 5 items for 10 dollars. The unit price, in dollars, is**

- A 3
- B 1
- C 2
- D 5

Understand It with Pulse | Flag a mistake

15 **A wristwatch costs 2000 dollars and lasts 5 years. Its cost per year, in dollars, is**



A 450

B 350

C 400

D 2000

Understand It with Pulse | Flag a mistake

16 **Buying 5 tickets at 20 dollars each costs, in dollars,**

- A 110
- B 90
- C 100
- D 25

Understand It with Pulse | Flag a mistake

17 **A budget of 800 dollars is reduced by 80 dollars. The remaining budget, in dollars, is**

- A 800
- B 720
- C 740
- D 880

Understand It with Pulse | Flag a mistake

18 **An item priced at 400 dollars is discounted by 25 percent. The discount, in dollars, is**

A 110

B 95

C 400

D 100

Understand It with Pulse | Flag a mistake

19 **Compound interest: an amount of 2000 dollars at 5 percent per year, compounded annually, for 1 year grows to, in dollars,**

A 2150

B 2050

C 2005

D 2100

Understand It with Pulse | Flag a mistake

20 **A car costs 10000 dollars with a down payment of 2000 dollars. The amount financed, in dollars, is**



A 10000

B 9000

C 8000

D 2000

Understand It with Pulse | Flag a mistake

21 **A loan of 600 dollars is repaid in 6 equal monthly payments with no interest. Each payment, in dollars, is**

- A 110
- B 100
- C 90
- D 200

Understand It with Pulse | Flag a mistake

22 **A person deposits 50 dollars each month for 10 months. The total deposited, in dollars, is**

- A 500
- B 550
- C 450
- D 511

Understand It with Pulse | Flag a mistake

23 A store sells 2 items for 14 dollars. The unit price, in dollars, is

- A 8
- B 6
- C 2
- D 7

Understand It with Pulse | Flag a mistake

24 An item costs 900 dollars and lasts 3 years. Its cost per year, in dollars, is

- A 350
- B 250
- C 900
- D 300

Understand It with Pulse | Flag a mistake

25 **Buying 3 concert tickets at 30 dollars each costs, in dollars,**



A 100

B 90

C 80

D 33

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. D
3. A
4. C
5. C
6. C
7. D
8. D
9. C
10. D
11. A
12. C
13. B
14. C
15. C
16. C
17. B
18. D
19. D
20. C
21. B
22. A
23. D
24. D
25. B

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