APP40 · MANITOBA

APP40
Practice Test

Unit B: Financial Mathematics

25 Questions

Original practice test based on the Manitoba curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

A book costs 120 dollars and its price rises by 50 percent. The increase, in dollars, is

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Question 2

Monthly income is 1100 dollars and monthly expenses are 1300 dollars. The amount left, in dollars, is

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Question 3

Simple interest on 200 dollars at 5 percent per year for 1 years is, in dollars

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Question 4

An item costs 260 dollars and is discounted by 15 percent. Its sale price, in dollars, is

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Question 5

A purchase of 150 dollars has tax of 5 percent. The tax, in dollars, is

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Question 6

An item has a down payment of 500 dollars and 10 monthly payments of 200 dollars. Its total cost, in dollars, is

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Question 7

A price rises by 30 percent from 80 dollars. The increase, in dollars, is

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Question 8

Monthly income is 2500 dollars and monthly expenses are 1300 dollars. The amount left, in dollars, is

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Question 9

Simple interest on 1600 dollars at 2 percent per year for 4 years is, in dollars

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Question 10

A wristwatch costs 80 dollars and is discounted by 45 percent. Its sale price, in dollars, is

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Question 11

A purchase of 110 dollars has tax of 5 percent. The tax, in dollars, is

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Question 12

An item has a down payment of 400 dollars and 11 monthly payments of 120 dollars. Its total cost, in dollars, is

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Question 13

A price rises by 10 percent from 40 dollars. The increase, in dollars, is

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Question 14

Monthly income is 1900 dollars and monthly expenses are 1300 dollars. The amount left, in dollars, is

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Question 15

Simple interest on 1000 dollars in a savings account at 8 percent per year for 2 years is, in dollars

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Question 16

A straight line graph has a slope that is

A) increasing

B) constant

C) zero always

D) undefined always

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Question 17

The slope of a horizontal line is

A) one

B) undefined

C) zero

D) negative

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Question 18

The slope of a vertical line is

A) zero

B) one

C) negative

D) undefined

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Question 19

Two lines that never meet are

A) parallel

B) perpendicular

C) intersecting

D) coincident

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Question 20

Two lines that meet at a right angle are

A) parallel

B) perpendicular

C) coincident

D) skew

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Question 21

The point where a graph crosses the y axis is the

A) x intercept

B) vertex

C) y intercept

D) origin

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Question 22

The point where a graph crosses the x axis is the

A) y intercept

B) vertex

C) origin

D) x intercept

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Question 23

The highest or lowest point of a parabola is the

A) vertex

B) intercept

C) axis

D) root

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Question 24

The line that divides a parabola into two equal halves is the

A) directrix

B) axis of symmetry

C) asymptote

D) tangent

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Question 25

A triangle with all sides equal is

A) isosceles

B) scalene

C) equilateral

D) right

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ANSWER KEY

1.	60	**10.**	44	**18.**	D
2.	-200	**11.**	5	**19.**	A
3.	10	**12.**	1720	**20.**	B
4.	221	**13.**	4	**21.**	C
5.	7	**14.**	600	**22.**	D
6.	2500	**15.**	160	**23.**	A
7.	24	**16.**	B	**24.**	B
8.	1200	**17.**	C	**25.**	C
9.	128				

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