MANITOBA APPLIED MATHEMATICS 40S · UNIT A · 25 QUESTIONS

Analysis of Games and Numbers — 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 number of ordered pairs that can be formed from 8 different items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A puzzle asks for the sum of 4 and the product of 4 and 5. That total is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The number of ways to arrange 3 different items in order is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A team earns 3 points for a win and 1 point for a draw. With 5 wins and 3 draws, its points total is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An arithmetic pattern starts at 4 and increases by 4. Term 8 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The number of possible outcomes when flipping a coin 6 times is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The number of ordered pairs that can be formed from 6 different items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A puzzle asks for the sum of 5 and the product of 5 and 5. That total is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The number of ways to arrange 6 different items in order is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A team earns 3 points for a win and 1 point for a draw. With 3 wins and 3 draws, its points total is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **An arithmetic pattern starts at 4 and increases by 5. Term 8 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The number of possible outcomes when flipping a coin 4 times is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The number of ordered pairs that can be formed from 4 different items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A puzzle asks for the sum of 6 and the product of 6 and 5. That total is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **The number of ways to arrange 4 different items in order is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The value that makes an equation true is called the**

A solution

B coefficient

C variable

D expression

Understand It with Pulse | Flag a mistake

17 **In the expression 3x plus 5, the number 3 is the**

A constant

B coefficient

C variable

D solution

Understand It with Pulse | Flag a mistake

18 **In the expression 3x plus 5, the letter x is the**

A coefficient

B constant

C variable

D term

Understand It with Pulse | Flag a mistake

19 **A straight line graph has a slope that is**

A increasing

B zero always

C undefined always

D constant

Understand It with Pulse | Flag a mistake

20 **The slope of a horizontal line is**

A zero

B one

C undefined

D negative

Understand It with Pulse | Flag a mistake

21 **The slope of a vertical line is**

A zero

B undefined

C one

D negative

Understand It with Pulse | Flag a mistake

22 **Two lines that never meet are**

A perpendicular

B intersecting

C parallel

D coincident

Understand It with Pulse | Flag a mistake

23 **Two lines that meet at a right angle are**

A parallel

B coincident

C skew

D perpendicular

Understand It with Pulse | Flag a mistake

24 **The point where a graph crosses the y axis is the**

- A y intercept
- B x intercept
- C vertex
- D origin

Understand It with Pulse | Flag a mistake

25 **The point where a graph crosses the x axis is the**

- A y intercept
- B x intercept
- C vertex
- D origin

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	56	**10.**	12	**19.**	D
2.	24	**11.**	39	**20.**	A
3.	6	**12.**	16	**21.**	B
4.	18	**13.**	12	**22.**	C
5.	32	**14.**	36	**23.**	D
6.	64	**15.**	24	**24.**	A
7.	30	**16.**	A	**25.**	B
8.	30	**17.**	B		
9.	720	**18.**	C		

© 2026 Brett Robbins. All Rights Reserved.