MANITOBA APPLIED MATHEMATICS 30S · UNIT A · 25 QUESTIONS

Analyzing Puzzles and Games — 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 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER

Understand It with Pulse | Flag a mistake

13 **A puzzle asks for the sum of 7 and the product of 7 and 5. That total is**

ANSWER

Understand It with Pulse | Flag a mistake

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

ANSWER

Understand It with Pulse | Flag a mistake

15 **A team earns 3 points for a win and 1 point for a draw. With 6 wins and 3 draws, its points total 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. 30
2. 6
3. 18
4. 32
5. 64
6. 30
7. 36
8. 720
9. 12
10. 39
11. 16
12. 12
13. 42
14. 24
15. 21
16. A
17. B
18. C
19. D
20. A
21. B
22. C
23. D
24. A
25. B

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