MANITOBA APPLIED MATHEMATICS 40S · UNIT C · 25 QUESTIONS

Logical Reasoning — 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 **An arithmetic pattern starts at 4 and increases by 3. Term 8 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The number of possible outcomes when flipping a coin 3 times is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The number of ordered pairs that can be formed from 8 different items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **Two lines that never meet are**

A perpendicular

B intersecting

C parallel

D coincident

Understand It with Pulse | Flag a mistake

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

A parallel

B coincident

C skew

D perpendicular

Understand It with Pulse | Flag a mistake

18 **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

19 **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

20 **The highest or lowest point of a parabola is the**

- A intercept
- B axis
- C vertex
- D root

Understand It with Pulse | Flag a mistake

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

- A directrix
- B asymptote
- C tangent
- D axis of symmetry

Understand It with Pulse | Flag a mistake

22 **A triangle with all sides equal is**

A equilateral

B isosceles

C scalene

D right

Understand It with Pulse | Flag a mistake

23 **A triangle with two sides equal is**

A equilateral

B isosceles

C scalene

D obtuse

Understand It with Pulse | Flag a mistake

24 **A triangle with no sides equal is**

A isosceles

B equilateral

C scalene

D right

Understand It with Pulse | Flag a mistake

25 **The longest side of a right triangle is the**

A adjacent

B opposite

C leg

D hypotenuse

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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